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MATHS

42 SETS

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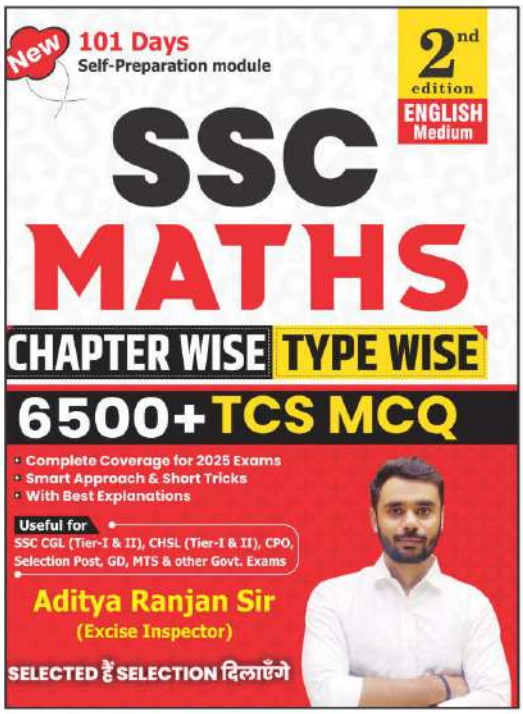

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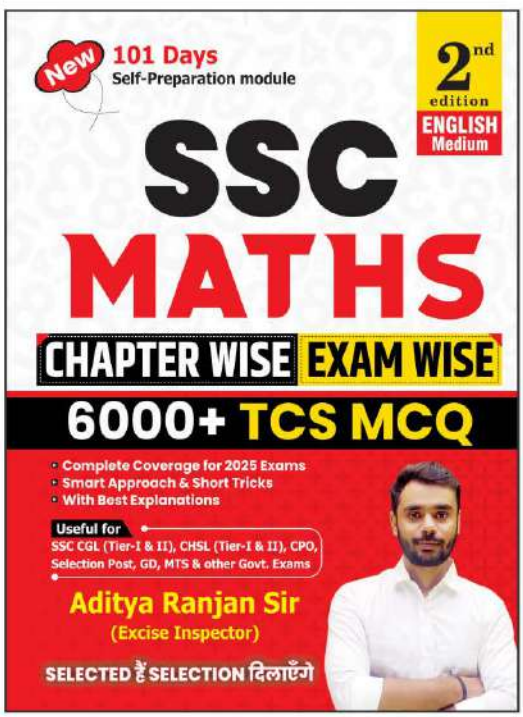

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Table of Contents

SSC GD CONSTABLE 2025 Mathematics Topic Wise Complete Questions

Number System

Q1) When the numbers 7807, 8022 and 8667 were divided by the greatest number x, then the remainder in each case was the same. The sum of the digits of x is:

A) 8 **B)** 9 **C)** 6 **D)** 7

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 26.45% Wrong: 51.32%

Q2) When 7516, 7635 and 7992 are divided by the greatest number x, then the remainder in each case is the same. The product of the digits of x is:

A) 9 **B)** 6 **C)** 8 **D)** 4

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 35.48% Wrong: 42.89%

Q3) The value of $40 - 3 \times [10 + 6 \times \{ 20 - 10 (6 - 5) \times 2\} \div 47]$ is:

A) 7 **B)** 5 **C)** 1 **D)** 10

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 37.11% Wrong: 42.53%

Q4) The value of $69 - 4 \times [4 + 3 \times \{ 20 - 5 (7 - 5) \times 2\} \div 29]$ is:

A) 54 **B)** 45 **C)** 46 **D)** 53

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 37.22% Wrong: 41.83%

Q5) The value of $79 - 2 \times [10 + 8 \times \{ 16 - 8 (6 - 5) \times 2\} \div 37]$ is:

A) 49 **B)** 59 **C)** 69 **D)** 63

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 37.71% Wrong: 39.12%

Q6) The greatest number, which divides 1163 and 2214 to leave 15 and 82 respectively as remainders, is:

A) 173 **B)** 169 **C)** 159 **D)** 164

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 37.73% Wrong: 40.01%

Q7) The value of $66 - 2 \times [10 + 2 \times \{ 18 - 2 (7 - 4) \times 3\} \div 50]$ is:

A) 46 **B)** 42 **C)** 54 **D)** 41

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 37.83% Wrong: 42.77%

Q8) When the numbers 8651, 8018 and 7807 were divided by the greatest number x, then the remainder in each case was the same. The value of x is:

A) 119 **B)** 132 **C)** 207 **D)** 211

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 39.23% Wrong: 37.53%

Q9) The value of 22 - 2 × [7 + 8 × { 14 - 7 (6 - 5) × 2} ÷ 37] is:

A) 18 **B)** 8 **C)** 7 **D)** 2

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 39.36% Wrong: 38.91%

Q10) The value of 68 - 6 × [4 + 4 × { 12 - 4 (6 - 5) × 3} ÷ 15] is:

A) 54 **B)** 50 **C)** 47 **D)** 44

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 39.48% Wrong: 37.43%

Q11) X is a greatest three-digit number exactly divisible by 12, 20, and 25. The sum of the digits of X is:

A) 5 **B)** 9 **C)** 7 **D)** 8

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 42.01% Wrong: 41.04%

Q12) The greatest number, which divides 2340 and 1551 to leave 40 and 33 respectively as remainders, is:

A) 48 **B)** 28 **C)** 56 **D)** 46

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 43.30% Wrong: 37.96%

Q13) The value of 36 - 10 × [3 + 8 × { 18 - 6 (6 - 5) × 3} ÷ 36] is:

A) 14 **B)** 4 **C)** 2 **D)** 6

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 43.89% Wrong: 35.02%

Q14) Find the greatest number which on dividing 1657 and 2037, leaves remainders 6 and 5, respectively.

A) 137 **B)** 117 **C)** 112 **D)** 127

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 44.03% Wrong: 38.12%

Q15) The value of 50 - 7 × [2 + 5 × { 16 - 2 (6 - 5) × 8} ÷ 31] is:

A) 36 **B)** 40 **C)** 35 **D)** 34

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 45.26% Wrong: 33.97%

Q16) 33 guava trees, 55 banana trees and 88 malta trees need to be planted in rows such that each row contains the same number of trees of one type only. The minimum number of rows in which the trees may be planted is:

A) 18 **B)** 12 **C)** 20 **D)** 16

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.42% Wrong: 36.05%

Q17) Determine the largest four-digit number that is exactly divisible by 15, 25, 40, and 75.

A) 9600 **B)** 9975 **C)** 9999 **D)** 9960

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 47.36% Wrong: 43.30%

Q18) The greatest number, which divides 711 and 1040 to leave 48 and 20 respectively as remainders, is:

A) 71 **B)** 32 **C)** 63 **D)** 51

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 47.43% Wrong: 36.86%

Q19) The greatest number, which divides 406 and 1388 to leave 1 and 3 respectively as remainders, is:

A) 23 **B)** 20 **C)** 5 **D)** 15

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 48.35% Wrong: 42.22%

Q20) The value of 79 - 10 × [2 + 3 × { 12 - 6 (6 - 5) × 2} ÷ 20] is:

A) 59 **B)** 63 **C)** 55 **D)** 57

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 49.66% Wrong: 33.17%

Q21) What is the smallest number which is when increased by 5 is divisible by 18, 30, 36 and 24?

A) 355 **B)** 365 **C)** 350 **D)** 360

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 50.03% Wrong: 41.53%

Q22) When 8, 16, 18, 20 and 25 divide the least number x, the remainder in each case is 3, but x is divisible by 7. What is the value of x?

A) 7203 **B)** 7302 **C)** 7320 **D)** 7023

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 52.22% Wrong: 29.13%

Q23) The greatest number, which divides 943 and 1957 to leave 7 and 1 respectively as remainders, is:

A) 12 **B)** 28 **C)** 10 **D)** 13

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 52.27% Wrong: 36.89%

Q24) Find the value of $\left[(84 \div 6) \times \left\{\frac{91}{7} + \frac{16}{2} \times (8 - 6)\right\}\right]$

A) 409 **B)** 426 **C)** 400 **D)** 406

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 53.24% Wrong: 29.52%

Q25) When 12, 15, 18, 20 and 25 divide the least number x, the remainder in each case was 5 but x was divisible by 7. What is the value of x?

A) 3065 **B)** 3605 **C)** 3506 **D)** 3560

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 53.75% Wrong: 30.96%

Q26) Find the value of $\left[(49 \div 7) \times \left\{\frac{57}{3} + \frac{19}{7} \times (9 - 2)\right\}\right]$

A) 259 **B)** 266 **C)** 276 **D)** 270

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 53.81% Wrong: 30.27%

Q27) What is the highest number between 5000 and 5500, which when divided by 12,16 and 24, would leave a remainder 9?

A) 5184 **B)** 5148 **C)** 5814 **D)** 5481

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 53.81% Wrong: 32.55%

Q28) Find the value of $\left[(42 \div 7) \times \left\{\frac{42}{3} + \frac{19}{4} \times (8 - 4)\right\}\right]$

A) 180 **B)** 209 **C)** 198 **D)** 202

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 55.78% Wrong: 27.75%

Q29) When 12, 15, 18, 20 and 25 divide the least number x, the remainder in each case was 3 but x was divisible by 7. What is the value of x?

A) 390 **B)** 930 **C)** 903 **D)** 309

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 55.83% Wrong: 28.09%

Q30) Find the value of $\left[(48 \div 8) \times \left\{\frac{49}{7} + \frac{40}{4} \times (7 - 3)\right\}\right]$

A) 282 **B)** 286 **C)** 284 **D)** 273

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 56.14% Wrong: 29.24%

Q31) Evaluate: (-9) - (-60) ÷ (-15) + (-3) × 9

A) -43 **B)** -42 **C)** -40 **D)** -39

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 56.33% Wrong: 31.15%

Q32) The greatest number, which divides 2248 and 1761 to leave 3 and 1 respectively as remainders, is:

A) 14 **B)** 5 **C)** 19 **D)** 24

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 56.66% Wrong: 31.28%

Q33) Find the value of $\left[(87 \div 3) \times \left\{\frac{52}{2} + \frac{18}{3} \times (9 - 6)\right\}\right]$

A) 1281 **B)** 1269 **C)** 1276 **D)** 1291

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 57.73% Wrong: 28.67%

Q34) Evaluate: (-9) - (-60) ÷ (-15) + (-4) × 6

A) -36 **B)** -37 **C)** -40 **D)** -39

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 57.97% Wrong: 28.86%

Q35) Find the value of $\left[(63 \div 9) \times \left\{\frac{96}{8} + \frac{11}{4} \times (9 - 5)\right\}\right]$

A) 153 **B)** 165 **C)** 161 **D)** 169

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 58.70% Wrong: 27.46%

Q36) Evaluate: (-9) - (-60) ÷ (-15) + (-3) × 8

A) -39 **B)** -36 **C)** -40 **D)** -37

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.00% Wrong: 29.30%

Q37) Find the value of $\left[(44 \div 4) \times \left\{\frac{48}{8} + \frac{21}{5} \times (7 - 2)\right\}\right]$

A) 296 **B)** 299 **C)** 313 **D)** 297

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 59.13% Wrong: 24.94%

Q38) What is the greatest number that will divide 175 and 385 leaving the remainders 4 and 5, respectively?

A) 21 **B)** 20 **C)** 22 **D)** 19

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 60.10% Wrong: 30.50%

Q39) Evaluate: (-9) - (-60) ÷ (-12) + (-3) × 9

A) -40 **B)** -44 **C)** -41 **D)** -43

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 60.26% Wrong: 25.97%

Q40) Find the value of $\left[(91 \div 7) \times \left\{\frac{64}{4} + \frac{17}{6} \times (8 - 2)\right\}\right]$

A) 434 **B)** 447 **C)** 432 **D)** 429

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 60.30% Wrong: 24.09%

Q41) Evaluate: (-9) - (-60) ÷ (-15) + (-4) × 8

A) -47 **B)** -48 **C)** -44 **D)** -45

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 60.58% Wrong: 27.90%

Q42) Find the value of $\left[(65 \div 5) \times \left\{\frac{16}{8} + \frac{14}{2} \times (6 - 4)\right\}\right]$

A) 198 **B)** 208 **C)** 215 **D)** 193

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 60.59% Wrong: 25.92%

Q43) Evaluate: (-9) - (-60) ÷ (-15) + (-2) × 6

A) -24 **B)** -27 **C)** -25 **D)** -28

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 60.60% Wrong: 28.45%

Q44) Find the value of $\left[(14 \div 2) \times \left\{\frac{14}{7} + \frac{40}{3} \times (7 - 4)\right\}\right]$

A) 310 **B)** 274 **C)** 277 **D)** 294

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 60.84% Wrong: 25.57%

Q45) Find the value of $\left[(21 \div 7) \times \left\{\frac{63}{9} + \frac{14}{2} \times (4 - 2)\right\}\right]$

A) 73 **B)** 65 **C)** 48 **D)** 63

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 60.92% Wrong: 27.63%

Q46) Find the value of $\left[(90 \div 3) \times \left\{\frac{63}{7} + \frac{28}{3} \times (8 - 5)\right\}\right]$

A) 1127 **B)** 1102 **C)** 1091 **D)** 1110

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 61.03% Wrong: 26.89%

Q47) Evaluate: (-9) - (-60) ÷ (-15) + (-3) × 7

A) -34 **B)** -33 **C)** -37 **D)** -36

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.64% Wrong: 26.22%

Q48) Evaluate: (-9) - (-60) ÷ (-12) + (-4) × 9

A) -49 **B)** -52 **C)** -50 **D)** -53

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.65% Wrong: 27.75%

Q49) What is the highest number between 4000 and 5000, which when divided by 12, 16 and 24 would leave the remainder 4?

A) 4699 **B)** 6499 **C)** 4969 **D)** 4996

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.88% Wrong: 25.92%

Q50) What is the smallest number which when divided by 64 and 80 leaves remainder 9 in each case?

A) 337 **B)** 329 **C)** 320 **D)** 311

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 62.70% Wrong: 26.15%

Q51) The smallest number which when decreased by 3 is divisible by 15, 25 and 55, is:

A) 828 **B)** 825 **C)** 831 **D)** 822

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 62.72% Wrong: 28.07%

Q52) Evaluate: (-9) - (-60) ÷ (-12) + (-4) × 7

A) -41 **B)** -45 **C)** -42 **D)** -44

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 62.73% Wrong: 25.80%

Q53) Evaluate: (-9) - (-60) ÷ (-12) + (-4) × 6

A) -41 **B)** -40 **C)** -37 **D)** -38

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 62.81% Wrong: 26.29%

Q54) The greatest number that will divide 42, 84 and 153 so as to leave the same remainder in each case is:

A) 7 **B)** 5 **C)** 3 **D)** 9

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 63.86% Wrong: 29.09%

Q55) Evaluate: (-9) - (-60) ÷ (-15) + (-3) × 6

A) -31 **B)** -34 **C)** -30 **D)** -33

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 64.06% Wrong: 24.65%

Q56) What is the greatest number which when divides 92 and 215, leaves remainders 7 and 11, respectively?

A) 17 **B)** 23 **C)** 21 **D)** 19

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 64.11% Wrong: 25.69%

Q57) Evaluate: (-9) - (-60) ÷ (-15) + (-4) × 9

A) -49 **B)** -51 **C)** -48 **D)** -52

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 64.26% Wrong: 23.42%

Q58) Evaluate: (-9) - (-60) ÷ (-12) + (-3) × 7

A) -37 **B)** -38 **C)** -35 **D)** -34

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 64.46% Wrong: 24.46%

Q59) Evaluate: (-9) - (-60) ÷ (-15) + (-4) × 7

A) -43 **B)** -44 **C)** -41 **D)** -40

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 64.98% Wrong: 22.04%

Q60) Evaluate: (-9) - (-60) ÷ (-15) + (-2) × 8

A) -28 **B)** -31 **C)** -32 **D)** -29

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 65.32% Wrong: 23.99%

Q61) The smallest natural number which is divisible by 24, 58, 48 and 12 is:

A) 1465 **B)** 1392 **C)** 1441 **D)** 1312

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 65.39% Wrong: 24.55%

Q62) The greatest number, which divides 1477 and 671 to leave 0 and 6 respectively as remainders, is:

A) 17 **B)** 16 **C)** 20 **D)** 7

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 65.57% Wrong: 23.71%

Q63) Evaluate: (-9) - (-60) ÷ (-12) + (-3) × 6

A) -35 **B)** -34 **C)** -32 **D)** -31

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 65.70% Wrong: 22.65%

Q64) The greatest number, which divides 1938 and 2337 to leave 0 and 3 respectively as remainders, is:

A) 14 **B)** 6 **C)** 13 **D)** 11

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.15% Wrong: 25.40%

Q65) Find the value of $\left[(90 \div 5) \times \left\{\frac{78}{6} + \frac{12}{1} \times (8 - 7)\right\}\right]$

A) 450 **B)** 462 **C)** 463 **D)** 458

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.18% Wrong: 20.97%

Q66) Evaluate: 2 - [3 - {6 - (6 - 4 + 6)}]

A) 2 **B)** -3 **C)** -6 **D)** 0

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 66.21% Wrong: 26.57%

Q67) Find the value of $\left[(60 \div 5) \times \left\{\frac{56}{4} + \frac{14}{3} \times (9 - 6)\right\}\right]$

A) 347 **B)** 336 **C)** 349 **D)** 325

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 66.24% Wrong: 18.72%

Q68) The largest four-digit number which when divided by 9, 18 and 23, leaves a remainder 5 in each case, is:

A) 9941 **B)** 9963 **C)** 9921 **D)** 9935

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.37% Wrong: 25.07%

Q69) Find the value of $\left[(63 \div 9) \times \left\{\frac{14}{7} + \frac{19}{1} \times (7 - 6)\right\}\right]$

A) 150 **B)** 148 **C)** 159 **D)** 147

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.57% Wrong: 19.58%

Q70) Find the value of $\left[(23 \times 16) \times \left\{3 \div 3 \times \frac{(19-13)}{3}\right\}\right]$

A) 724 **B)** 736 **C)** 738 **D)** 745

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 66.62% Wrong: 22.40%

Q71) Find the value of $\left[(12 \div 4) \times \left\{\frac{15}{5} + \frac{16}{1} \times (9-8)\right\}\right]$

A) 57 **B)** 44 **C)** 69 **D)** 61

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 66.96% Wrong: 23.21%

Q72) Find the value of $\left[(36 \div 9) \times \left\{\frac{56}{8} + \frac{14}{1} \times (6-5)\right\}\right]$

A) 84 **B)** 81 **C)** 78 **D)** 98

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 66.96% Wrong: 21.39%

Q73) The smallest natural number which is divisible by 5, 10, 49 and 28 is:

A) 980 **B)** 1040 **C)** 900 **D)** 1006

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 67.20% Wrong: 25.17%

Q74) Evaluate: (-9) - (-60) ÷ (-12) + (-3) × 8

A) -38 **B)** -37 **C)** -41 **D)** -40

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 67.40% Wrong: 21.79%

Q75) Find the value of $\left[(16 \div 8) \times \left\{\frac{40}{2} + \frac{11}{6} \times (8-2)\right\}\right]$

A) 78 **B)** 62 **C)** 76 **D)** 68

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 67.56% Wrong: 20.86%

Q76) Evaluate: (-9) - (-60) ÷ (-12) + (-4) × 8

A) -45 **B)** -49 **C)** -48 **D)** -46

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 67.82% Wrong: 23.68%

Q77) The smallest natural number which is divisible by 33, 72, 11 and 18 is:

A) 839 **B)** 696 **C)** 792 **D)** 881

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 68.15% Wrong: 22.09%

Q78) Evaluate: (-9) - (-60) ÷ (-15) + (-2) × 7

A) -27 **B)** -29 **C)** -30 **D)** -26

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 68.32% Wrong: 20.47%

Q79) Find the value of $\left[(50 \div 5) \times \left\{\frac{72}{3} + \frac{12}{1} \times (8 - 7)\right\}\right]$

A) 357 **B)** 342 **C)** 355 **D)** 360

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 69.02% Wrong: 19.24%

Q80) The smallest natural number which is divisible by 26, 8, 11 and 13 is:

A) 1201 **B)** 1082 **C)** 1126 **D)** 1144

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 69.08% Wrong: 22.05%

Q81) Find the value of $\left[(18 \times 19) \times \left\{8 \div 4 \times \frac{(16 - 12)}{2}\right\}\right]$

A) 1349 **B)** 1368 **C)** 1382 **D)** 1353

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 70.23% Wrong: 17.66%

Q82) Find the value of $\left[(26 \times 14) \times \left\{9 \div 3 \times \frac{(19 - 15)}{2}\right\}\right]$

A) 2184 **B)** 2165 **C)** 2197 **D)** 2188

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 72.18% Wrong: 17.83%

Q83) The greatest number that divides 210, 1245 and 2160 is:

A) 20 **B)** 15 **C)** 25 **D)** 10

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 72.33% Wrong: 21.91%

Q84) The smallest natural number which is divisible by 12, 28, 36 and 27 is:

A) 822 **B)** 688 **C)** 756 **D)** 691

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 73.49% Wrong: 20.34%

Q85) The smallest natural number which is divisible by 11, 6, 55 and 9 is:

A) 921 **B)** 990 **C)** 1054 **D)** 1032

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 74.82% Wrong: 17.86%

Q86) The smallest natural number which is divisible by 48, 72, 16 and 15 is:

A) 751 **B)** 720 **C)** 710 **D)** 784

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 75.12% Wrong: 17.77%

Q87) Find the value of $\left[(17 \times 9) \times \left\{6 \div 3 \times \frac{(18 - 14)}{2}\right\}\right]$

A) 637 **B)** 612 **C)** 613 **D)** 631

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 75.58% Wrong: 15.35%

Q88) Find the value of $\left[(23 \times 12) \times \left\{6 \div 2 \times \frac{(18-12)}{2}\right\}\right]$

A) 2465 **B)** 2487 **C)** 2484 **D)** 2489

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 75.89% Wrong: 15.02%

Q89) Find the value of $\left[(25 \times 13) \times \left\{2 \div 2 \times \frac{(16-13)}{3}\right\}\right]$

A) 344 **B)** 313 **C)** 325 **D)** 312

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 76.57% Wrong: 13.85%

Q90) Find the value of $\left[(19 \times 3) \times \left\{8 \div 2 \times \frac{(18-14)}{4}\right\}\right]$

A) 245 **B)** 214 **C)** 228 **D)** 226

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 76.99% Wrong: 14.65%

Q91) Find the value of $\left[(16 \times 12) \times \left\{5 \div 5 \times \frac{(13-11)}{2}\right\}\right]$

A) 192 **B)** 174 **C)** 183 **D)** 177

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 77.77% Wrong: 13.18%

Q92) Find the value of $\left[(17 \times 16) \times \left\{8 \div 8 \times \frac{(18-11)}{7}\right\}\right]$

A) 272 **B)** 263 **C)** 255 **D)** 283

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 77.95% Wrong: 13.69%

Q93) Find the value of $\left[(29 \times 13) \times \left\{3 \div 3 \times \frac{(18-14)}{4}\right\}\right]$

A) 380 **B)** 377 **C)** 364 **D)** 391

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 78.33% Wrong: 13.60%

Q94) Find the value of $\left[(14 \times 9) \times \left\{8 \div 2 \times \frac{(18-15)}{3}\right\}\right]$

A) 517 **B)** 504 **C)** 521 **D)** 513

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 78.38% Wrong: 13.32%

Q95) Find the value of $\left[(22 \times 6) \times \left\{4 \div 4 \times \frac{(19-12)}{7}\right\}\right]$

A) 116 **B)** 150 **C)** 132 **D)** 117

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 78.78% Wrong: 10.89%

Q96) Find the value of $\left[(23 \times 5) \times \left\{6 \div 6 \times \frac{(18-14)}{4}\right\}\right]$

A) 104 **B)** 96 **C)** 106 **D)** 115

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 79.23% Wrong: 11.78%

Q97) Evaluate: 16 + 10 ÷ 5 - 2 × 3

A) 14 **B)** 15 **C)** 12 **D)** 11

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 79.55% Wrong: 14.72%

Q98) Find the value of $\left[(27 \times 5) \times \left\{3 \div 3 \times \frac{(15-13)}{2}\right\}\right]$

A) 138 **B)** 135 **C)** 143 **D)** 149

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 79.60% Wrong: 11.96%

Q99) Evaluate: 16 + 10 ÷ 5 - 2 × 4

A) 10 **B)** 13 **C)** 9 **D)** 12

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 79.61% Wrong: 16.37%

Q100) Find the value of $\left[(27 \times 3) \times \left\{3 \div 3 \times \frac{(19-15)}{4}\right\}\right]$

A) 67 **B)** 72 **C)** 81 **D)** 80

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 79.72% Wrong: 11.83%

Q101) Evaluate: 16 + 9 ÷ 3 - 2 × 3

A) 12 **B)** 15 **C)** 16 **D)** 13

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 79.96% Wrong: 14.07%

Q102) Evaluate: 32 ÷ 8 × 4 - 3 × 3

A) 9 **B)** 6 **C)** 7 **D)** 10

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 80.83% Wrong: 14.25%

Q103) Find the value of $\left[(17 \times 10) \times \left\{8 \div 8 \times \frac{(19-12)}{7}\right\}\right]$

A) 150 **B)** 181 **C)** 152 **D)** 170

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 80.86% Wrong: 11.00%

Q104) Evaluate: 16 + 10 ÷ 5 - 3 × 3

A) 8 **B)** 9 **C)** 11 **D)** 12

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 81.03% Wrong: 14.61%

Q105) Evaluate: 16 + 12 ÷ 4 - 3 × 3

A) 9 **B)** 13 **C)** 10 **D)** 12

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 81.17% Wrong: 14.61%

Q106) Evaluate: 32 ÷ 8 × 4 - 2 × 3

A) 9 **B)** 12 **C)** 13 **D)** 10

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 81.20% Wrong: 13.62%

Q107) Find the value of $\left[(12 \times 10) \times \left\{6 \div 6 \times \frac{(15-12)}{3}\right\}\right]$

A) 120 **B)** 138 **C)** 122 **D)** 109

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 81.24% Wrong: 11.53%

Q108) Evaluate: 16 + 9 ÷ 3 - 3 × 3

A) 13 **B)** 10 **C)** 9 **D)** 12

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 81.25% Wrong: 14.34%

Q109) Evaluate: 16 + 12 ÷ 4 - 2 × 3

A) 15 **B)** 12 **C)** 13 **D)** 16

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 81.25% Wrong: 14.47%

Q110) Find the value of $\left[(19 \times 8) \times \left\{7 \div 7 \times \frac{(16-12)}{4}\right\}\right]$

A) 146 **B)** 170 **C)** 152 **D)** 155

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 81.65% Wrong: 11.10%

Q111) Evaluate: 16 + 12 ÷ 3 - 2 × 3

A) 17 **B)** 13 **C)** 16 **D)** 14

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 81.77% Wrong: 12.66%

Q112) Evaluate: 16 + 8 ÷ 4 - 3 × 3

A) 8 **B)** 11 **C)** 12 **D)** 9

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 81.91% Wrong: 13.29%

Q113) Evaluate: 16 + 9 ÷ 3 - 3 × 4

A) 9 **B)** 10 **C)** 7 **D)** 6

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 82.53% Wrong: 12.60%

Q114) Evaluate: 32 ÷ 8 × 5 - 2 × 3

A) 17 **B)** 16 **C)** 14 **D)** 13

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 82.88% Wrong: 12.32%

Q115) Evaluate: 32 ÷ 8 × 3 - 3 × 4

A) 0 **B)** 2 **C)** 3 **D)** -1

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 83.53% Wrong: 11.61%

Q116) Evaluate: 16 + 12 ÷ 3 - 3 × 3

A) 14 **B)** 10 **C)** 11 **D)** 13

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 83.60% Wrong: 12.82%

Q117) Evaluate: 16 + 12 ÷ 3 - 2 × 4

A) 15 **B)** 11 **C)** 14 **D)** 12

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 84.01% Wrong: 11.26%

Q118) Evaluate: 16 + 12 ÷ 4 - 3 × 4

A) 9 **B)** 10 **C)** 7 **D)** 6

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 84.19% Wrong: 10.91%

Q119) Evaluate: 32 ÷ 8 × 3 - 3 × 3

A) 5 **B)** 2 **C)** 6 **D)** 3

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 84.33% Wrong: 11.01%

Q120) Evaluate: 16 + 8 ÷ 4 - 2 × 3

A) 11 **B)** 12 **C)** 15 **D)** 14

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 84.53% Wrong: 9.86%

Q121) Evaluate: 16 + 12 ÷ 3 - 3 × 4

A) 10 **B)** 11 **C)** 7 **D)** 8

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 84.62% Wrong: 10.60%

Q122) Evaluate: 32 ÷ 8 × 4 - 3 × 4

A) 3 **B)** 7 **C)** 4 **D)** 6

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 84.78% Wrong: 9.76%

Q123) Evaluate: 16 + 9 ÷ 3 - 2 × 4

A) 11 **B)** 14 **C)** 10 **D)** 13

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 84.91% Wrong: 10.94%

Q124) Evaluate: 16 + 8 ÷ 4 - 3 × 4

A) 5 **B)** 8 **C)** 6 **D)** 9

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 85.94% Wrong: 10.39%

Q125) Evaluate: 32 ÷ 8 × 3 - 2 × 3

A) 6 **B)** 8 **C)** 9 **D)** 5

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 85.95% Wrong: 9.18%

Answer Key (Q1 to Q125) Number System

Q1: 1	Q2: 1	Q3: 4	Q4: 4	Q5: 2
Q6: 4	Q7: 1	Q8: 4	Q9: 2	Q10: 4
Q11: 2	Q12: 4	Q13: 4	Q14: 4	Q15: 1
Q16: 4	Q17: 1	Q18: 4	Q19: 3	Q20: 1
Q21: 1	Q22: 1	Q23: 1	Q24: 4	Q25: 2
Q26: 2	Q27: 4	Q28: 3	Q29: 3	Q30: 1
Q31: 3	Q32: 2	Q33: 3	Q34: 2	Q35: 3
Q36: 4	Q37: 4	Q38: 4	Q39: 3	Q40: 4
Q41: 4	Q42: 2	Q43: 3	Q44: 4	Q45: 4
Q46: 4	Q47: 1	Q48: 3	Q49: 4	Q50: 2
Q51: 1	Q52: 3	Q53: 4	Q54: 3	Q55: 1
Q56: 1	Q57: 1	Q58: 3	Q59: 3	Q60: 4
Q61: 2	Q62: 4	Q63: 3	Q64: 2	Q65: 1
Q66: 2	Q67: 2	Q68: 1	Q69: 4	Q70: 2
Q71: 1	Q72: 1	Q73: 1	Q74: 1	Q75: 2

Q76: 4	Q77: 3	Q78: 1	Q79: 4	Q80: 4
Q81: 2	Q82: 1	Q83: 2	Q84: 3	Q85: 2
Q86: 2	Q87: 2	Q88: 3	Q89: 3	Q90: 3
Q91: 1	Q92: 1	Q93: 2	Q94: 2	Q95: 3
Q96: 4	Q97: 3	Q98: 2	Q99: 1	Q100: 3
Q101: 4	Q102: 3	Q103: 4	Q104: 2	Q105: 3
Q106: 4	Q107: 1	Q108: 2	Q109: 3	Q110: 3
Q111: 4	Q112: 4	Q113: 3	Q114: 3	Q115: 1
Q116: 3	Q117: 4	Q118: 3	Q119: 4	Q120: 2
Q121: 4	Q122: 3	Q123: 1	Q124: 3	Q125: 1

L.C.M and H.C.F

Q1) The LCM of two numbers is 126 times their HCF. If their HCF is 7 and the difference between the two numbers is five times the HCF, then the sum of the two numbers is:

A) 611 **B)** 218 **C)** 161 **D)** 116

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 27.67% Wrong: 43.76%

Q2) The LCM of 672 and 7056 is ____.

A) 14112 **B)** 42336 **C)** 28224 **D)** 7056

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 38.92% Wrong: 45.40%

Q3) The LCM of two numbers is 126 times their HCF. If their HCF is 7 and the difference between the two numbers is five times the HCF, then the product of the two numbers is:

A) 1476 **B)** 6174 **C)** 7164 **D)** 6471

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.01% Wrong: 34.88%

Q4) The product of two numbers is 1,48,176 and their LCM is 3,528. What is their HCF?

A) 42 **B)** 51 **C)** 32 **D)** 36

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 40.92% Wrong: 40.55%

Q5) Let x be the greatest number which, when divided by 31, 61 and 91, leaves the same remainder. The LCM of x and 48 is:

A) 360 **B)** 178 **C)** 240 **D)** 420

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 41.89% Wrong: 37.68%

Q6) The HCF of two numbers is 11 and their sum is 132. If both the numbers are greater than 42, then the difference between the two numbers is:

A) 18 **B)** 22 **C)** 26 **D)** 11

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 43.37% Wrong: 36.98%

Q7) The LCM of 26, 34, 221 and 195 is:

A) 6627 **B)** 6590 **C)** 6532 **D)** 6630

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 54.89% Wrong: 32.56%

Q8) The LCM of $2^3 \times 9^2 \times 13, 2^2 \times 13^2 \times 19$ and $9^3 \times 13^2 \times 19^2$ is:

A) $2^3 \times 9^3 \times 13^2 \times 19^2$ **B)** $2^2 \times 9^3 \times 13 \times 19^2$ **C)** $2^2 \times 9^2 \times 13^2 \times 19^3$ **D)** $2^3 \times 9^2 \times 13^2 \times 19$

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.21% Wrong: 28.27%

Q9) The LCM of 46, 68, 136 and 138 is:

A) 9329 **B)** 9455 **C)** 9384 **D)** 9406

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 60.70% Wrong: 26.46%

Q10) The LCM of 51, 18, 432 and 144 is:

A) 7344 **B)** 7276 **C)** 7320 **D)** 7294

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 61.39% Wrong: 27.22%

Q11) The LCM of 36, 30, 114 and 380 is:

A) 3440 **B)** 3420 **C)** 3475 **D)** 3456

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 61.52% Wrong: 27.97%

Q12) The LCM of 36, 45, 465 and 310 is:

A) 5580 **B)** 5497 **C)** 5560 **D)** 5658

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.53% Wrong: 25.09%

Q13) The LCM of 42, 36, 312 and 126 is:

A) 6587 **B)** 6616 **C)** 6520 **D)** 6552

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.61% Wrong: 27.95%

Q14) Two numbers are in the ratio 1 : 3. If the product of their HCF and LCM is 1200, then the numbers are _____ and _____.

A) 20, 60 **B)** 30, 90 **C)** 15, 45 **D)** 10, 30

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 61.86% Wrong: 31.40%

Q15) The LCM of 36, 63, 372 and 126 is:

A) 7897 **B)** 7812 **C)** 7860 **D)** 7813

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 62.93% Wrong: 23.47%

Q16) The LCM of 16, 21, 364 and 156 is:

A) 4455 **B)** 4368 **C)** 4322 **D)** 4425

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 64.30% Wrong: 24.37%

Q17) The LCM of two numbers is 4158 and their HCF is 54. If one of the numbers is 378, what is the other number?

A) 495 **B)** 398 **C)** 594 **D)** 459

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 64.96% Wrong: 22.75%

Q18) The LCM of two numbers is 105 and numbers are in ratio of 5 : 3, then the sum of the numbers is:

A) 65 **B)** 94 **C)** 49 **D)** 56

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 65.85% Wrong: 24.24%

Q19) The LCM of 56, 30, 108 and 120 is:

A) 7471 **B)** 7560 **C)** 7660 **D)** 7549

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 67.06% Wrong: 21.35%

Q20) The LCM of 30, 13, 180 and 234 is:

A) 2409 **B)** 2340 **C)** 2379 **D)** 2291

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 67.60% Wrong: 20.65%

Q21) The LCM of 28, 60, 120 and 135 is:

A) 7626 **B)** 7560 **C)** 7608 **D)** 7569

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 68.67% Wrong: 19.47%

Q22) The LCM of 18, 72, 184 and 144 is:

A) 3388 **B)** 3351 **C)** 3312 **D)** 3220

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 70.47% Wrong: 21.49%

Q23) The LCM of 21, 24, 104 and 312 is:

A) 2184 **B)** 2253 **C)** 2229 **D)** 2149

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 71.63% Wrong: 19.42%

Q24) The LCM of 16, 45, 135 and 144 is:

A) 2132 **B)** 2080 **C)** 2160 **D)** 2191

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 71.84% Wrong: 20.92%

Q25) The LCM of 75, 45, 180 and 110 is:

A) 9817 **B)** 9856 **C)** 9946 **D)** 9900

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 72.26% Wrong: 17.72%

Q26) LCM and HCF of two numbers are 168 and 14 respectively. If one of the numbers is 42, then find the other number.

A) 54 **B)** 58 **C)** 57 **D)** 56

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 72.86% Wrong: 19.31%

Q27) Find the HCF of 153, 117 and 405.

A) 9 **B)** 12 **C)** 6 **D)** 2

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 74.74% Wrong: 17.32%

Q28) The product of two numbers 5184 and their HCF is 24. What is their LCM?

A) 324 **B)** 125 **C)** 343 **D)** 216

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 74.94% Wrong: 16.87%

Q29) LCM and HCF of two numbers are 168 and 6 respectively. If one of the numbers is 24, then find the other number.

A) 45 **B)** 42 **C)** 40 **D)** 44

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 76.30% Wrong: 13.21%

Q30) The LCM of 40, 20, 195 and 160 is:

A) 6169 **B)** 6319 **C)** 6240 **D)** 6219

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 76.38% Wrong: 15.16%

Q31) The LCM of 40, 20, 120 and 335 is:

A) 8101 **B)** 8040 **C)** 8003 **D)** 7991

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 76.45% Wrong: 13.48%

Q32) LCM and HCF of two numbers are 154 and 7 respectively. If one of the numbers is 77, then find the other number.

A) 16 **B)** 15 **C)** 13 **D)** 14

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 76.59% Wrong: 15.05%

Q33) LCM and HCF of two numbers are 144 and 8 respectively. If one of the numbers is 16, then find the other number.

A) 73 **B)** 74 **C)** 72 **D)** 70

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 76.87% Wrong: 13.74%

Q34) LCM and HCF of two numbers are 198 and 33 respectively. If one of the numbers is 99, then find the other number.

A) 63 **B)** 67 **C)** 68 **D)** 66

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 77.88% Wrong: 14.42%

Q35) The LCM of 44, 32, 176 and 352 is:

A) 255 **B)** 269 **C)** 352 **D)** 379

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 79.43% Wrong: 12.94%

Q36) LCM and HCF of two numbers are 198 and 9 respectively. If one of the numbers is 99, then find the other number.

A) 16 **B)** 20 **C)** 18 **D)** 17

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 79.85% Wrong: 12.91%

Q37) LCM and HCF of two numbers are 140 and 5 respectively. If one of the numbers is 35, then find the other number.

A) 23 **B)** 19 **C)** 22 **D)** 20

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 79.90% Wrong: 13.14%

Q38) LCM and HCF of two numbers are 54 and 9 respectively. If one of the numbers is 18, then find the other number.

A) 30 **B)** 24 **C)** 27 **D)** 25

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 82.02% Wrong: 11.76%

Q39) LCM and HCF of two numbers are 66 and 11 respectively. If one of the numbers is 33, then find the other number.

A) 20 **B)** 19 **C)** 22 **D)** 25

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 82.49% Wrong: 10.35%

Answer Key (Q1 to Q39) L.C.M and H.C.F

Q1: 3	Q2: 1	Q3: 2	Q4: 1	Q5: 3
Q6: 2	Q7: 4	Q8: 1	Q9: 3	Q10: 1
Q11: 2	Q12: 1	Q13: 4	Q14: 1	Q15: 2

Q16: 2	Q17: 3	Q18: 4	Q19: 2	Q20: 2
Q21: 2	Q22: 3	Q23: 1	Q24: 3	Q25: 4
Q26: 4	Q27: 1	Q28: 4	Q29: 2	Q30: 3
Q31: 2	Q32: 4	Q33: 3	Q34: 4	Q35: 3
Q36: 3	Q37: 4	Q38: 3	Q39: 3	

Simple and Compound Interest

Q1) Ashish has two grandsons Ketan and Mahesh. 15 year old Ketan gets some money from Ashish's wealth and 16 year old Mahesh gets rest of the money. But Ketan and Mahesh will get money only when they turn 23 years old. Till then the money is in a bank getting interest at rate 4% compounded annually. When both turn 23, they receive the same amount. How much had Ashish given Mahesh (in ₹) initially, if total money with Ashish was ₹25500?

A) 12500 **B)** 12250 **C)** 13350 **D)** 13000

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 15.74% Wrong: 45.63%

Q2) Mandar has two grandsons Ketan and Tushar. 11 year old Ketan gets some money from Mandar's wealth and 12 year old Tushar gets rest of the money. But Ketan and Tushar will get money only when they turn 22 years old. Till then the money is in a bank getting interest at rate 8% compounded annually. When both turn 22, they receive the same amount. How much had Mandar given Tushar (in ₹) initially, if total money with Mandar was ₹24700?

A) 11625 **B)** 13175 **C)** 12825 **D)** 11875

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 15.85% Wrong: 36.73%

Q3) Vijay has ₹1224 with him. He divided it amongst his sons Ajay and Prakash and asked them to invest it at 4% rate of interest compounded annually. It was seen that Ajay and Prakash got same amount after 18 and 19 years respectively. How much (in ₹) did Vijay give to Prakash?

A) 450 **B)** 724 **C)** 624 **D)** 600

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 17.77% Wrong: 46.22%

Q4) Nitin has ₹1617 with him. He divided it amongst his sons Pravin and Rishi and asked them to invest it at 10% rate of interest compounded annually. It was seen that Pravin and Rishi got same amount after 17 and 18 years respectively. How much (in ₹) did Nitin give to Pravin?

A) 697 **B)** 870 **C)** 770 **D)** 847

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 18.47% Wrong: 45.19%

Q5) Sachin has two grandsons Chetan and Vipul. 13 year old Chetan gets some money from Sachin's wealth and 14 year old Vipul gets rest of the money. But Chetan and Vipul will get money only when they turn 23 years old. Till then the money is in a bank getting interest at rate 8% compounded annually. When both turn 23, they receive the same amount. How much had Sachin given Vipul (in ₹) initially, if total money with Sachin was ₹23400?

A) 11000 **B)** 12150 **C)** 11250 **D)** 12500

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 18.80% Wrong: 44.08%

Q6) Ashish has ₹1617 with him. He divided it amongst his sons Arun and Mahesh and asked them to invest it at 10% rate of interest compounded annually. It was seen that Arun and Mahesh got same amount after 14 and 15 years respectively. How much (in ₹) did Ashish give to Arun?

A) 697 **B)** 770 **C)** 847 **D)** 870

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 18.85% Wrong: 45.19%

Q7) Shan has ₹1612 with him. He divided it amongst his sons Piyush and Manoj and asked them to invest it at 8% rate of interest compounded annually. It was seen that Piyush and Manoj got same amount after 12 and 13 years respectively. How much (in ₹) did Shan give to Piyush?

A) 687 **B)** 875 **C)** 837 **D)** 775

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 18.92% Wrong: 43.18%

Q8) Rishi has ₹1612 with him. He divided it amongst his sons Shan and Piyush and asked them to invest it at 8% rate of interest compounded annually. It was seen that Shan and Piyush got same amount after 19 and 20 years respectively. How much (in ₹) did Rishi give to Shan?

A) 687 **B)** 837 **C)** 875 **D)** 775

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 19.00% Wrong: 46.95%

Q9) Ashok has ₹1612 with him. He divided it amongst his sons Raj and Varun and asked them to invest it at 8% rate of interest compounded annually. It was seen that Raj and Varun got same amount after 14 and 15 years respectively. How much (in ₹) did Ashok give to Raj?

A) 687 **B)** 837 **C)** 775 **D)** 875

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 19.22% Wrong: 44.22%

Q10) A sum of ₹x amounts to ₹54571 in $2\frac{1}{2}$ years at 12% p.a., interest compounded after every 10 months. What is the value of x?

A) 41000 **B)** 39000 **C)** 42000 **D)** 40000

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 19.88% Wrong: 45.51%

Q11) Pramod has two grandsons Ashish and Ketan. 13 year old Ashish gets some money from Pramod's wealth and 14 year old Ketan gets rest of the money. But Ashish and Ketan will get money only when they turn 24 years old. Till then the money is in a bank getting interest at rate 4% compounded annually. When both turn 24, they receive the same amount. How much had Pramod given Ketan (in ₹) initially, if total money with Pramod was ₹25500?

A) 12250 **B)** 13000 **C)** 13350 **D)** 12500

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 19.95% Wrong: 46.54%

Q12) David has two grandsons Rodney and Amit. 15 year old Rodney gets some money from David's wealth and 16 year old Amit gets rest of the money. But Rodney and Amit will get money only when they turn 22 years old. Till then the money is in a bank getting interest at rate 8% compounded annually. When both turn 22, they receive the same amount. How much had David given Amit (in ₹) initially, if total money with David was ₹23400?

A) 12150 **B)** 12500 **C)** 11000 **D)** 11250

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 19.96% Wrong: 43.40%

Q13) Manoj has ₹1224 with him. He divided it amongst his sons Anand and Anil and asked them to invest it at 4% rate of interest compounded annually. It was seen that Anand and Anil got same amount after 17 and 18 years respectively. How much (in ₹) did Manoj give to Anil?

A) 724 **B)** 450 **C)** 600 **D)** 624

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 20.05% Wrong: 45.20%

Q14) Ashok has ₹1612 with him. He divided it amongst his sons Raj and Varun and asked them to invest it at 8% rate of interest compounded annually. It was seen that Raj and Varun got same amount after 15 and 16 years respectively. How much (in ₹) did Ashok give to Raj?

A) 687 **B)** 837 **C)** 875 **D)** 775

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 20.45% Wrong: 41.99%

Q15) Pravin has ₹1612 with him. He divided it amongst his sons Rishi and Shan and asked them to invest it at 8% rate of interest compounded annually. It was seen that Rishi and Shan got same amount after 17 and 18 years respectively. How much (in ₹) did Pravin give to Rishi?

A) 687 **B)** 775 **C)** 875 **D)** 837

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 20.71% Wrong: 42.73%

Q16) Mahesh has ₹1617 with him. He divided it amongst his sons Vijay and Ajay and asked them to invest it at 10% rate of interest compounded annually. It was seen that Vijay and Ajay got same amount after 13 and 14 years respectively. How much (in ₹) did Mahesh give to Vijay?

A) 870 **B)** 697 **C)** 770 **D)** 847

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 20.77% Wrong: 42.51%

Q17) Manoj has ₹1612 with him. He divided it amongst his sons Anand and Anil and asked them to invest it at 8% rate of interest compounded annually. It was seen that Anand and Anil got same amount after 13 and 14 years respectively. How much (in ₹) did Manoj give to Anand?

A) 875 **B)** 775 **C)** 687 **D)** 837

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 21.24% Wrong: 41.00%

Q18) Mahesh has ₹1617 with him. He divided it amongst his sons Vijay and Ajay and asked them to invest it at 10% rate of interest compounded annually. It was seen that Vijay and Ajay got same amount after 15 and 16 years respectively. How much (in ₹) did Mahesh give to Vijay?

A) 847 **B)** 697 **C)** 870 **D)** 770

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 21.57% Wrong: 42.10%

Q19) Veer has ₹1617 with him. He divided it amongst his sons Nitin and Pravin and asked them to invest it at 10% rate of interest compounded annually. It was seen that Nitin and Pravin got same amount after 16 and 17 years respectively. How much (in ₹) did Veer give to Nitin?

A) 847 **B)** 697 **C)** 870 **D)** 770

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 21.98% Wrong: 48.56%

Q20) Raj has ₹1612 with him. He divided it amongst his sons Varun and Ashish and asked them to invest it at 8% rate of interest compounded annually. It was seen that Varun and Ashish got same amount after 18 and 19 years respectively. How much (in ₹) did Raj give to Varun?

A) 875 **B)** 775 **C)** 837 **D)** 687

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 22.58% Wrong: 45.02%

Q21) Ashok has ₹1617 with him. He divided it amongst his sons Raj and Varun and asked them to invest it at 10% rate of interest compounded annually. It was seen that Raj and Varun got same amount after 18 and 19 years respectively. How much (in ₹) did Ashok give to Raj?

A) 847 **B)** 870 **C)** 770 **D)** 697

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 22.58% Wrong: 49.31%

Q22) Ashok has ₹1612 with him. He divided it amongst his sons Raj and Varun and asked them to invest it at 8% rate of interest compounded annually. It was seen that Raj and Varun got same amount after 16 and 17 years respectively. How much (in ₹) did Ashok give to Raj?

A) 837 **B)** 875 **C)** 775 **D)** 687

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 22.67% Wrong: 44.23%

Q23) Krish has ₹1224 with him. He divided it amongst his sons Veer and Nitin and asked them to invest it at 4% rate of interest compounded annually. It was seen that Veer and Nitin got same amount after 12 and 13 years respectively. How much (in ₹) did Krish give to Nitin?

A) 624 **B)** 600 **C)** 450 **D)** 724

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 22.82% Wrong: 45.15%

Q24) Baban has two grandsons Rakesh and Shivam. 13 year old Rakesh gets some money from Baban's wealth and 14 year old Shivam gets rest of the money. But Rakesh and Shivam will get money only when they turn 22 years old. Till then the money is in a bank getting interest at rate 10% compounded annually. When both turn 22, they receive the same amount. How much had Baban given Shivam (in ₹) initially, if total money with Baban was ₹23100?

A) 10750 **B)** 12100 **C)** 11000 **D)** 12450

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 23.09% Wrong: 41.21%

Q25) If at same rate of interest, in 2 years, the simple interest is ₹42 and compound interest is ₹51, then what is the principal (in ₹)?

A) 44 **B)** 49 **C)** 42 **D)** 53

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 23.59% Wrong: 50.00%

Q26) Anil has ₹1224 with him. He divided it amongst his sons Ashok and Raj and asked them to invest it at 4% rate of interest compounded annually. It was seen that Ashok and Raj got same amount after 13 and 14 years respectively. How much (in ₹) did Anil give to Raj?

A) 450 **B)** 624 **C)** 600 **D)** 724

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 23.89% Wrong: 45.34%

Q27) Mahesh has ₹1617 with him. He divided it amongst his sons Vijay and Ajay and asked them to invest it at 10% rate of interest compounded annually. It was seen that Vijay and Ajay got same amount after 19 and 20 years respectively. How much (in ₹) did Mahesh give to Vijay?

A) 870 **B)** 697 **C)** 847 **D)** 770

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 23.95% Wrong: 48.31%

Q28) If at same rate of interest, in 2 years, the simple interest is ₹40 and compound interest is ₹65, then what is the principal (in ₹)?

A) 11 **B)** 16 **C)** 20 **D)** 9

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 24.08% Wrong: 52.39%

Q29) Nitin has ₹1224 with him. He divided it amongst his sons Pravin and Rishi and asked them to invest it at 4% rate of interest compounded annually. It was seen that Pravin and Rishi got same amount after 14 and 15 years respectively. How much (in ₹) did Nitin give to Rishi?

A) 624 **B)** 600 **C)** 724 **D)** 450

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 24.14% Wrong: 43.88%

Q30) A sum of ₹x amounts to ₹75867 in $2\frac{1}{2}$ years at 12% p.a., interest compounded after every 10 months. What is the value of x?

A) 56000 **B)** 58000 **C)** 55000 **D)** 57000

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 24.46% Wrong: 47.41%

Q31) Shivam has two grandsons Rupesh and Mandar. 12 year old Rupesh gets some money from Shivam's wealth and 13 year old Mandar gets rest of the money. But Rupesh and Mandar will get money only when they turn 23 years old. Till then the money is in a bank getting interest at rate 8% compounded annually. When both turn 23, they receive the same amount. How much had Shivam given Mandar (in ₹) initially, if total money with Shivam was ₹24700?

A) 11875 **B)** 13175 **C)** 11625 **D)** 12825

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 24.66% Wrong: 40.79%

Q32) When difference between compound and simple interest for three years is ₹228 at 4% interest per annum, the principal is ₹_____

A) 46875 **B)** 48075 **C)** 47295 **D)** 46300

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 24.78% Wrong: 45.74%

Q33) Baban has two grandsons Rakesh and Shivam. 13 year old Rakesh gets some money from Baban's wealth and 14 year old Shivam gets rest of the money. But Rakesh and Shivam will get money only when they turn 22 years old. Till then the money is in a bank getting interest at rate 5% compounded annually. When both turn 22, they receive the same amount. How much had Baban given Shivam (in ₹) initially, if total money with Baban was ₹24600?

A) 12600 **B)** 11750 **C)** 12000 **D)** 12950

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 25.15% Wrong: 38.22%

Q34) Akshay has ₹1218 with him. He divided it amongst his sons Arjun and Kartik and asked them to invest it at 10% rate of interest compounded annually. It was seen that Arjun and Kartik got same amount after 12 and 13 years respectively. How much (in ₹) did Akshay give to Kartik?

A) 430 **B)** 738 **C)** 580 **D)** 638

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 25.21% Wrong: 42.95%

Q35) Shan has ₹1617 with him. He divided it amongst his sons Piyush and Manoj and asked them to invest it at 10% rate of interest compounded annually. It was seen that Piyush and Manoj got same amount after 11 and 12 years respectively. How much (in ₹) did Shan give to Piyush?

A) 847 **B)** 697 **C)** 870 **D)** 770

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 25.23% Wrong: 47.54%

Q36) Veer has ₹1224 with him. He divided it amongst his sons Nitin and Pravin and asked them to invest it at 4% rate of interest compounded annually. It was seen that Nitin and Pravin got same amount after 19 and 20 years respectively. How much (in ₹) did Veer give to Pravin?

A) 450 **B)** 624 **C)** 600 **D)** 724

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 25.49% Wrong: 46.94%

Q37) Anand has ₹1612 with him. He divided it amongst his sons Anil and Ashok and asked them to invest it at 8% rate of interest compounded annually. It was seen that Anil and Ashok got same amount after 11 and 12 years respectively. How much (in ₹) did Anand give to Anil?

A) 837 **B)** 687 **C)** 775 **D)** 875

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 25.96% Wrong: 45.90%

Q38) Vijay has ₹1218 with him. He divided it amongst his sons Ajay and Prakash and asked them to invest it at 10% rate of interest compounded annually. It was seen that Ajay and Prakash got same amount after 14 and 15 years respectively. How much (in ₹) did Vijay give to Prakash?

A) 638 **B)** 580 **C)** 430 **D)** 738

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 26.17% Wrong: 43.23%

Q39) Ketan has two grandsons Mahesh and David. 15 year old Mahesh gets some money from Ketan's wealth and 16 year old David gets rest of the money. But Mahesh and David will get money only when they turn 22 years old. Till then the money is in a bank getting interest at rate 10% compounded annually. When both turn 22, they receive the same amount. How much had Ketan given David (in ₹) initially, if total money with Ketan was ₹25200?

A) 11750 **B)** 13200 **C)** 13550 **D)** 12000

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 26.24% Wrong: 37.07%

Q40) Mukund has two grandsons Sachin and Chetan. 13 year old Sachin gets some money from Mukund's wealth and 14 year old Chetan gets rest of the money. But Sachin and Chetan will get money only when they turn 23 years old. Till then the money is in a bank getting interest at rate 10% compounded annually. When both turn 23, they receive the same amount. How much had Mukund given Chetan (in ₹) initially, if total money with Mukund was ₹25200?

A) 12000 **B)** 11750 **C)** 13200 **D)** 13550

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 26.70% Wrong: 37.62%

Q41) Pravin has ₹1224 with him. He divided it amongst his sons Rishi and Shan and asked them to invest it at 4% rate of interest compounded annually. It was seen that Rishi and Shan got same amount after 15 and 16 years respectively. How much (in ₹) did Pravin give to Shan?

A) 600 **B)** 724 **C)** 450 **D)** 624

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 26.94% Wrong: 45.74%

Q42) If at same rate of interest, in 2 years, the simple interest is ₹40 and compound interest is ₹56, then what is the principal (in ₹)?

A) 25 **B)** 18 **C)** 29 **D)** 20

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 27.12% Wrong: 54.43%

Q43) Atul has two grandsons Baban and Rakesh. 11 year old Baban gets some money from Atul's wealth and 12 year old Rakesh gets rest of the money. But Baban and Rakesh will get money only when they turn 24 years old. Till then the money is in a bank getting interest at rate 5% compounded annually. When both turn 24, they receive the same amount. How much had Atul given Rakesh (in ₹) initially, if total money with Atul was ₹24600?

A) 12600 **B)** 11750 **C)** 12000 **D)** 12950

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 27.25% Wrong: 38.62%

Q44) Varun has ₹1230 with him. He divided it amongst his sons Ashish and Arun and asked them to invest it at 5% rate of interest compounded annually. It was seen that Ashish and Arun got same amount after 11 and 12 years respectively. How much (in ₹) did Varun give to Arun?

A) 600 **B)** 450 **C)** 730 **D)** 630

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 27.77% Wrong: 46.98%

Q45) Raj has ₹1218 with him. He divided it amongst his sons Varun and Ashish and asked them to invest it at 10% rate of interest compounded annually. It was seen that Varun and Ashish got same amount after 13 and 14 years respectively. How much (in ₹) did Raj give to Ashish?

A) 638 **B)** 738 **C)** 430 **D)** 580

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 27.78% Wrong: 45.38%

Q46) Shan has ₹1218 with him. He divided it amongst his sons Piyush and Manoj and asked them to invest it at 10% rate of interest compounded annually. It was seen that Piyush and Manoj got same amount after 18 and 19 years respectively. How much (in ₹) did Shan give to Manoj?

A) 638 **B)** 430 **C)** 738 **D)** 580

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 27.93% Wrong: 41.68%

Q47) Anand has ₹1218 with him. He divided it amongst his sons Anil and Ashok and asked them to invest it at 10% rate of interest compounded annually. It was seen that Anil and Ashok got same amount after 15 and 16 years respectively. How much (in ₹) did Anand give to Ashok?

A) 580 **B)** 638 **C)** 430 **D)** 738

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 28.01% Wrong: 44.98%

Q48) Govind invested some money in HDFC at 4% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Govind got ₹178.5 as compound interest, considering annual compounding?

A) 175 **B)** 185 **C)** 170 **D)** 190

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 28.06% Wrong: 42.92%

Q49) Ramu invested some money in HDFC at 4% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Ramu got ₹127.5 as compound interest, considering annual compounding?

A) 135 **B)** 120 **C)** 125 **D)** 140

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 28.29% Wrong: 47.23%

Q50) Manoj has ₹1230 with him. He divided it amongst his sons Anand and Anil and asked them to invest it at 5% rate of interest compounded annually. It was seen that Anand and Anil got same amount after 12 and 13 years respectively. How much (in ₹) did Manoj give to Anil?

A) 600 **B)** 630 **C)** 730 **D)** 450

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 28.43% Wrong: 43.81%

Q51) Ashish has ₹1218 with him. He divided it amongst his sons Arun and Mahesh and asked them to invest it at 10% rate of interest compounded annually. It was seen that Arun and Mahesh got same amount after 11 and 12 years respectively. How much (in ₹) did Ashish give to Mahesh?

A) 738 **B)** 580 **C)** 638 **D)** 430

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 28.46% Wrong: 44.14%

Q52) Rodney has two grandsons Amit and Gopal. 11 year old Amit gets some money from Rodney's wealth and 12 year old Gopal gets rest of the money. But Amit and Gopal will get money only when they turn 23 years old. Till then the money is in a bank getting interest at rate 10% compounded annually. When both turn 23, they receive the same amount. How much had Rodney given Gopal (in ₹) initially, if total money with Rodney was ₹23100?

A) 12450 **B)** 11000 **C)** 12100 **D)** 10750

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 28.81% Wrong: 36.94%

Q53) Veer has ₹1632 with him. He divided it amongst his sons Nitin and Pravin and asked them to invest it at 4% rate of interest compounded annually. It was seen that Nitin and Pravin got same amount after 12 and 13 years respectively. How much (in ₹) did Veer give to Nitin?

A) 800 **B)** 832 **C)** 682 **D)** 900

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 30.10% Wrong: 43.14%

Q54) Rupesh has two grandsons Mandar and Ketan. 13 year old Mandar gets some money from Rupesh's wealth and 14 year old Ketan gets rest of the money. But Mandar and Ketan will get money only when they turn 23 years old. Till then the money is in a bank getting interest at rate 5% compounded annually. When both turn 23, they receive the same amount. How much had Rupesh given Ketan (in ₹) initially, if total money with Rupesh was ₹24600?

A) 12950 **B)** 12000 **C)** 12600 **D)** 11750

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 31.72% Wrong: 37.00%

Q55) If at same rate of interest, in 2 years, the simple interest is ₹42 and compound interest is ₹45, then what is the principal (in ₹)?

A) 147 **B)** 151 **C)** 140 **D)** 142

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 32.60% Wrong: 44.77%

Q56) Keshav invests a sum of ₹5400 and Tushar invests a sum of ₹10200 at the same rate of simple interest per annum. If, at the end of 3 years, Tushar gets ₹360 more interest than Keshav, then find the rate of interest per annum (in percentage).

A) 1.5 **B)** 3.5 **C)** 2.5 **D)** 4.5

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 32.71% Wrong: 43.41%

Q57) Govind invested some money in HDFC at 4% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Govind got ₹280.5 as compound interest, considering annual compounding?

A) 270 **B)** 290 **C)** 285 **D)** 275

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 32.73% Wrong: 41.14%

Q58) Yogesh invested some money in HDFC at 4% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Yogesh got ₹229.5 as compound interest, considering annual compounding?

A) 235 **B)** 225 **C)** 240 **D)** 220

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 32.77% Wrong: 44.07%

Q59) Gopal invests a sum of ₹5400 and Akshay invests a sum of ₹10200 at the same rate of simple interest per annum. If, at the end of 4 years, Akshay gets ₹720 more interest than Gopal, then find the rate of interest per annum (in percentage).

A) 3.75 **B)** 5.75 **C)** 2.75 **D)** 1.75

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 33.52% Wrong: 38.87%

Q60) Vipul invests a sum of ₹5400 and Vijay invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 4 years, Vijay gets ₹840 more interest than Vipul, then find the rate of interest per annum (in percentage).

A) 4.25 **B)** 3.25 **C)** 7.25 **D)** 5.25

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 33.63% Wrong: 39.45%

Q61) When difference between compound and simple interest for three years is ₹152 at 4% interest per annum, the principal is ₹_____

A) 32450 **B)** 30675 **C)** 31250 **D)** 31670

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 33.85% Wrong: 41.05%

Q62) Shivam invests a sum of ₹5400 and Rupesh invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 4 years, Rupesh gets ₹600 more interest than Shivam, then find the rate of interest per annum (in percentage).

A) 2.75 **B)** 5.75 **C)** 3.75 **D)** 1.75

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 34.12% Wrong: 40.57%

Q63) Mohan invests a sum of ₹5400 and Varun invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 6 years, Varun gets ₹480 more interest than Mohan, then find the rate of interest per annum (in percentage).

A) 4 **B)** 2.5 **C)** 3 **D)** 2

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 34.30% Wrong: 44.14%

Q64) Vijay invests a sum of ₹5400 and Mohan invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 6 years, Mohan gets ₹600 more interest than Vijay, then find the rate of interest per annum (in percentage).

A) 3.5 **B)** 4.5 **C)** 1.5 **D)** 2.5

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 34.40% Wrong: 43.90%

Q65) Govind invested some money in HDFC at 3% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Govind got ₹203 as compound interest, considering annual compounding?

A) 200 **B)** 195 **C)** 215 **D)** 210

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 34.43% Wrong: 43.90%

Q66) Sarang invested some money in HDFC at 4% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Sarang got ₹153 as compound interest, considering annual compounding?

A) 145 **B)** 160 **C)** 150 **D)** 165

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 34.49% Wrong: 41.58%

Q67) Amit invests a sum of ₹5400 and Gopal invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 3 years, Gopal gets ₹840 more interest than Amit, then find the rate of interest per annum (in percentage).

A) 5 **B)** 7 **C)** 9 **D)** 6

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 34.74% Wrong: 39.38%

Q68) Akshay invests a sum of ₹5400 and Atul invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 6 years, Atul gets ₹360 more interest than Akshay, then find the rate of interest per annum (in percentage).

A) 4.5 **B)** 2.5 **C)** 3.5 **D)** 1.5

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 35.27% Wrong: 44.32%

Q69) When difference between compound and simple interest for three years is ₹183 at 5% interest per annum, the principal is ₹_____

A) 24420 **B)** 23425 **C)** 24000 **D)** 25200

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 35.46% Wrong: 41.34%

Q70) Amit invests a sum of ₹5400 and Gopal invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 4 years, Gopal gets ₹480 more interest than Amit, then find the rate of interest per annum (in percentage).

A) 5 **B)** 3 **C)** 2 **D)** 4

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 37.22% Wrong: 39.33%

Q71) If at same rate of interest, in 2 years, the simple interest is ₹44 and compound interest is ₹46, then what is the principal (in ₹)?

A) 237 **B)** 235 **C)** 246 **D)** 242

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 37.93% Wrong: 37.73%

Q72) Find the simple interest (in ₹) on ₹2000 at 6.75% per annum rate of interest for the period from 3 February 2023 to 17 April 2023.

A) 25 **B)** 28 **C)** 27 **D)** 26

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 38.14% Wrong: 38.89%

Q73) Vipul invests a sum of ₹5400 and Vijay invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 5 years, Vijay gets ₹840 more interest than Vipul, then find the rate of interest per annum (in percentage).

A) 6.2 **B)** 3.2 **C)** 2.2 **D)** 4.2

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 38.39% Wrong: 35.75%

Q74) Varun invests a sum of ₹5400 and Ashish invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 3 years, Ashish gets ₹960 more interest than Varun, then find the rate of interest per annum (in percentage).

A) 8 **B)** 10 **C)** 7 **D)** 6

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 38.73% Wrong: 37.96%

Q75) When difference between compound and simple interest for three years is ₹244 at 5% interest per annum, the principal is ₹_____

A) 31425 **B)** 33200 **C)** 32000 **D)** 32420

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 39.27% Wrong: 37.25%

Q76) Amit invests a sum of ₹5400 and Gopal invests a sum of ₹10200 at the same rate of simple interest per annum. If, at the end of 4 years, Gopal gets ₹960 more interest than Amit, then find the rate of interest per annum (in percentage).

A) 3 **B)** 5 **C)** 7 **D)** 4

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 39.50% Wrong: 38.94%

Q77) Raghu invested some money in HDFC at 4% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Raghu got ₹102 as compound interest, considering annual compounding?

A) 115 **B)** 110 **C)** 100 **D)** 95

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 39.64% Wrong: 38.24%

Q78) Mukund invests a sum of ₹5400 and Sachin invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 5 years, Sachin gets ₹960 more interest than Mukund, then find the rate of interest per annum (in percentage).

A) 3.8 **B)** 6.8 **C)** 2.8 **D)** 4.8

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 39.70% Wrong: 34.29%

Q79) Mukund invests a sum of ₹5400 and Sachin invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 4 years, Sachin gets ₹960 more interest than Mukund, then find the rate of interest per annum (in percentage).

A) 5 **B)** 4 **C)** 6 **D)** 8

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 39.74% Wrong: 37.60%

Q80) Vijay invests a sum of ₹5400 and Mohan invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 4 years, Mohan gets ₹360 more interest than Vijay, then find the rate of interest per annum (in percentage).

A) 1.5 **B)** 2.25 **C)** 3.25 **D)** 4.25

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 39.86% Wrong: 39.23%

Q81) Atul invests a sum of ₹5400 and Nirmal invests a sum of ₹10200 at the same rate of simple interest per annum. If, at the end of 5 years, Nirmal gets ₹480 more interest than Atul, then find the rate of interest per annum (in percentage).

A) 2 **B)** 4 **C)** 3 **D)** 5

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 39.96% Wrong: 41.01%

Q82) Siddhant invested some money in HDFC at 4% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Siddhant got ₹255 as compound interest, considering annual compounding?

A) 245 **B)** 250 **C)** 265 **D)** 260

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 40.51% Wrong: 37.48%

Q83) Chetan invests a sum of ₹5400 and Vipul invests a sum of ₹10200 at the same rate of simple interest per annum. If, at the end of 3 years, Vipul gets ₹720 more interest than Chetan, then find the rate of interest per annum (in percentage).

A) 4 **B)** 3 **C)** 5 **D)** 7

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.57% Wrong: 35.95%

Q84) Rakesh invests a sum of ₹5400 and Shivam invests a sum of ₹10200 at the same rate of simple interest per annum. If, at the end of 4 years, Shivam gets ₹480 more interest than Rakesh, then find the rate of interest per annum (in percentage).

A) 2.5 **B)** 3.5 **C)** 1.5 **D)** 4.5

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 40.93% Wrong: 37.15%

Q85) If at same rate of interest, in 2 years, the simple interest is ₹44 and compound interest is ₹45, then what is the principal (in ₹)?

A) 488 **B)** 477 **C)** 484 **D)** 479

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 41.69% Wrong: 34.09%

Q86) Gopal invests a sum of ₹5400 and Akshay invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 6 years, Akshay gets ₹720 more interest than Gopal, then find the rate of interest per annum (in percentage).

A) 5 **B)** 2 **C)** 3 **D)** 4

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 41.83% Wrong: 39.58%

Q87) Akshay invests a sum of ₹5400 and Atul invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 4 years, Atul gets ₹720 more interest than Akshay, then find the rate of interest per annum (in percentage).

A) 6.5 **B)** 4.5 **C)** 3.5 **D)** 2.5

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 42.21% Wrong: 36.68%

Q88) Vipul invests a sum of ₹5400 and Vijay invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 5 years, Vijay gets ₹480 more interest than Vipul, then find the rate of interest per annum (in percentage).

A) 4.4 **B)** 3.4 **C)** 1.4 **D)** 2.4

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 42.71% Wrong: 36.47%

Q89) If at same rate of interest, in 2 years, the simple interest is ₹42 and compound interest is ₹49, then what is the principal (in ₹)?

A) 56 **B)** 67 **C)** 58 **D)** 63

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 42.91% Wrong: 36.69%

Q90) Amit invests a sum of ₹5400 and Gopal invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 6 years, Gopal gets ₹960 more interest than Amit, then find the rate of interest per annum (in percentage).

A) 6 **B)** 3 **C)** 4 **D)** 2

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 42.94% Wrong: 34.84%

Q91) Amit invests a sum of ₹5400 and Gopal invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 5 years, Gopal gets ₹600 more interest than Amit, then find the rate of interest per annum (in percentage).

A) 3 **B)** 4 **C)** 2 **D)** 5

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 43.18% Wrong: 35.50%

Q92) Nirmal invests a sum of ₹5400 and Rakesh invests a sum of ₹9400 at the same rate of simple interest per annum. If, at the end of 5 years, Rakesh gets ₹360 more interest than Nirmal, then find the rate of interest per annum (in percentage).

A) 3.2 **B)** 3.8 **C)** 1.8 **D)** 2.2

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 43.20% Wrong: 36.89%

Q93) When difference between compound and simple interest for three years is ₹122 at 5% interest per annum, the principal is ₹_____

A) 16000 **B)** 15425 **C)** 16420 **D)** 17200

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 45.00% Wrong: 35.91%

Q94) If at same rate of interest, in 2 years, the simple interest is ₹40 and compound interest is ₹50, then what is the principal (in ₹)?

A) 40 **B)** 35 **C)** 33 **D)** 44

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 47.66% Wrong: 32.97%

Q95) Ajay invested some money in HDFC at 4% per annum rate of interest. What would be the corresponding simple interest (in ₹) if after 2 years, Ajay got ₹204 as compound interest, considering annual compounding?

A) 215 **B)** 200 **C)** 210 **D)** 195

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 47.67% Wrong: 32.28%

Q96) If at same rate of interest, in 2 years, the simple interest is ₹42 and compound interest is ₹43, then what is the principal (in ₹)?

A) 441 **B)** 434 **C)** 436 **D)** 445

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 47.68% Wrong: 31.93%

Q97) When difference between compound and simple interest for three years is ₹124 at 10% interest per annum, the principal is ₹_____

A) 4000 **B)** 4420 **C)** 5200 **D)** 3425

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 48.58% Wrong: 35.28%

Q98) When difference between compound and simple interest for three years is ₹93 at 10% interest per annum, the principal is ₹_____

A) 3000 **B)** 2425 **C)** 3420 **D)** 4200

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 49.32% Wrong: 32.09%

Q99) When difference between compound and simple interest for three years is ₹217 at 10% interest per annum, the principal is ₹_____

A) 7420 **B)** 6425 **C)** 8200 **D)** 7000

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 50.92% Wrong: 32.84%

Q100) When difference between compound and simple interest for three years is ₹155 at 10% interest per annum, the principal is ₹_____

A) 4425 **B)** 5420 **C)** 5000 **D)** 6200

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 52.24% Wrong: 31.49%

Q101) If at same rate of interest, in 2 years, the simple interest is ₹40 and compound interest is ₹44, then what is the principal (in ₹)?

A) 95 **B)** 100 **C)** 93 **D)** 104

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 52.30% Wrong: 30.77%

Q102) When difference between compound and simple interest for three years is ₹186 at 10% interest per annum, the principal is ₹_____

A) 5425 **B)** 6420 **C)** 7200 **D)** 6000

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 53.16% Wrong: 29.96%

Q103) If at same rate of interest, in 2 years, the simple interest is ₹40 and compound interest is ₹45, then what is the principal (in ₹)?

A) 80 **B)** 84 **C)** 75 **D)** 73

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 53.46% Wrong: 29.75%

Q104) If at same rate of interest, in 2 years, the simple interest is ₹40 and compound interest is ₹80, then what is the principal (in ₹)?

A) 3 **B)** 10 **C)** 14 **D)** 5

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 54.73% Wrong: 28.06%

Q105) If at same rate of interest, in 2 years, the simple interest is ₹42 and compound interest is ₹63, then what is the principal (in ₹)?

A) 21 **B)** 14 **C)** 16 **D)** 25

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 54.99% Wrong: 27.67%

Q106) If at same rate of interest, in 2 years, the simple interest is ₹40 and compound interest is ₹60, then what is the principal (in ₹)?

A) 13 **B)** 24 **C)** 15 **D)** 20

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 57.16% Wrong: 25.45%

Q107) If at same rate of interest, in 2 years, the simple interest is ₹40 and compound interest is ₹41, then what is the principal (in ₹)?

A) 404 **B)** 400 **C)** 395 **D)** 393

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 58.28% Wrong: 26.61%

Q108) The simple interest on a principal amount (in ₹) is ₹824 for a period of 4 years at the rate of 8% per annum. The principal amount (in ₹) is:

A) 2577 **B)** 2573 **C)** 2571 **D)** 2575

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.84% Wrong: 24.66%

Q109) The simple interest on a principal amount (in ₹) is ₹531 for a period of 5 years at the rate of 9% per annum. The principal amount (in ₹) is:

A) 1171 **B)** 1186 **C)** 1179 **D)** 1180

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.98% Wrong: 25.48%

Q110) The simple interest on a principal amount (in ₹) is ₹387 for a period of 2 years at the rate of 6% per annum. The principal amount (in ₹) is:

A) 3234 **B)** 3225 **C)** 3221 **D)** 3228

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 62.68% Wrong: 26.23%

Q111) The simple interest on a principal amount (in ₹) is ₹168 for a period of 8 years at the rate of 4% per annum. The principal amount (in ₹) is:

A) 517 **B)** 527 **C)** 534 **D)** 525

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 64.20% Wrong: 24.90%

Q112) The simple interest on a principal amount (in ₹) is ₹888 for a period of 8 years at the rate of 2% per annum. The principal amount (in ₹) is:

A) 5544 **B)** 5546 **C)** 5540 **D)** 5550

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 67.00% Wrong: 22.66%

Q113) The simple interest on a principal amount (in ₹) is ₹378 for a period of 5 years at the rate of 9% per annum. The principal amount (in ₹) is:

A) 840 **B)** 844 **C)** 845 **D)** 837

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 67.60% Wrong: 20.79%

Q114) The simple interest on a principal amount (in ₹) is ₹318 for a period of 2 years at the rate of 6% per annum. The principal amount (in ₹) is:

A) 2651 **B)** 2650 **C)** 2655 **D)** 2656

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 68.10% Wrong: 21.81%

Q115) The simple interest on a principal amount (in ₹) is ₹486 for a period of 3 years at the rate of 8% per annum. The principal amount (in ₹) is:

A) 2015 **B)** 2027 **C)** 2029 **D)** 2025

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 69.06% Wrong: 19.71%

Q116) The simple interest on a principal amount (in ₹) is ₹360 for a period of 4 years at the rate of 2% per annum. The principal amount (in ₹) is:

A) 4508 **B)** 4501 **C)** 4500 **D)** 4490

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 70.93% Wrong: 18.19%

Q117) The simple interest on a principal amount (in ₹) is ₹540 for a period of 4 years at the rate of 2% per annum. The principal amount (in ₹) is:

A) 6745 **B)** 6743 **C)** 6750 **D)** 6755

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 71.63% Wrong: 19.31%

Q118) The simple interest on a principal amount (in ₹) is ₹576 for a period of 3 years at the rate of 6% per annum. The principal amount (in ₹) is:

A) 3202 **B)** 3206 **C)** 3200 **D)** 3213

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 72.54% Wrong: 19.03%

Q119) The simple interest on a principal amount (in ₹) is ₹191 for a period of 5 years at the rate of 2% per annum. The principal amount (in ₹) is:

A) 1910 **B)** 1908 **C)** 1914 **D)** 1913

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 72.87% Wrong: 16.81%

Q120) The simple interest on a principal amount (in ₹) is ₹714 for a period of 3 years at the rate of 7% per annum. The principal amount (in ₹) is:

A) 3400 **B)** 3409 **C)** 3401 **D)** 3406

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 73.49% Wrong: 17.68%

Q121) The simple interest on a principal amount (in ₹) is ₹284 for a period of 2 years at the rate of 5% per annum. The principal amount (in ₹) is:

A) 2832 **B)** 2840 **C)** 2844 **D)** 2845

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 74.01% Wrong: 17.20%

Q122) The simple interest on a principal amount (in ₹) is ₹524 for a period of 2 years at the rate of 5% per annum. The principal amount (in ₹) is:

A) 5240 **B)** 5239 **C)** 5249 **D)** 5234

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 75.79% Wrong: 15.20%

Q123) The simple interest on a principal amount (in ₹) is ₹487 for a period of 2 years at the rate of 5% per annum. The principal amount (in ₹) is:

A) 4870 **B)** 4877 **C)** 4861 **D)** 4873

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 75.98% Wrong: 16.24%

Q124) The simple interest on a principal amount (in ₹) is ₹177 for a period of 5 years at the rate of 2% per annum. The principal amount (in ₹) is:

A) 1764 **B)** 1773 **C)** 1771 **D)** 1770

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 76.44% Wrong: 15.16%

Answer Key (Q1 to Q124) Simple and Compound Interest

Q1: 4	Q2: 3	Q3: 4	Q4: 4	Q5: 2
Q6: 3	Q7: 3	Q8: 2	Q9: 2	Q10: 1

Q11: 2	Q12: 1	Q13: 3	Q14: 2	Q15: 4
Q16: 4	Q17: 4	Q18: 1	Q19: 1	Q20: 3
Q21: 1	Q22: 1	Q23: 2	Q24: 2	Q25: 2
Q26: 3	Q27: 3	Q28: 2	Q29: 2	Q30: 4
Q31: 4	Q32: 1	Q33: 1	Q34: 3	Q35: 1
Q36: 3	Q37: 1	Q38: 2	Q39: 2	Q40: 3
Q41: 1	Q42: 1	Q43: 1	Q44: 1	Q45: 4
Q46: 4	Q47: 1	Q48: 1	Q49: 3	Q50: 1
Q51: 2	Q52: 3	Q53: 2	Q54: 3	Q55: 1
Q56: 3	Q57: 4	Q58: 2	Q59: 1	Q60: 4
Q61: 3	Q62: 3	Q63: 4	Q64: 4	Q65: 1
Q66: 3	Q67: 2	Q68: 4	Q69: 3	Q70: 2
Q71: 4	Q72: 3	Q73: 4	Q74: 1	Q75: 3
Q76: 2	Q77: 3	Q78: 4	Q79: 3	Q80: 2
Q81: 1	Q82: 2	Q83: 3	Q84: 1	Q85: 3
Q86: 3	Q87: 2	Q88: 4	Q89: 4	Q90: 3
Q91: 1	Q92: 3	Q93: 1	Q94: 1	Q95: 2
Q96: 1	Q97: 1	Q98: 1	Q99: 4	Q100: 3
Q101: 2	Q102: 4	Q103: 1	Q104: 2	Q105: 1
Q106: 4	Q107: 2	Q108: 4	Q109: 4	Q110: 2
Q111: 4	Q112: 4	Q113: 1	Q114: 2	Q115: 4
Q116: 3	Q117: 3	Q118: 3	Q119: 1	Q120: 1
Q121: 2	Q122: 1	Q123: 1	Q124: 4	

Discount

Q1) A shopkeeper marks his jackets at 18.8% above the cost price and allows the purchaser a discount of 12.5% for online payment. What profit percentage does the shopkeeper make (correct to two places of decimals)?

A) 5.27% **B)** 2.58% **C)** 3.95% **D)** 4.06%

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 33.23% Wrong: 45.06%

Q2) A shopkeeper offers 3 schemes of discounts to his customers. Which of the following schemes will fetch the minimum discount percentage?
A. Two successive discounts of 25% and 32%.
B. Buy 8 get two free.
C. Buy 8 and get 10.

A) B only **B)** A only **C)** Both B and C **D)** C only

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 35.34% Wrong: 52.82%

Q3) If the selling price of five Bluetooth devices is ₹14,430 after allowing a discount of 26% on the marked price, then the marked price of one device is:

A) ₹3,000 **B)** ₹3,900 **C)** ₹3,365 **D)** ₹2,886

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 37.16% Wrong: 43.04%

Q4) A pair of articles was bought for ₹1,820 at a discount of 20%, and marked price of each article is same. What is the marked price (in ₹) of an article?

A) ₹1,137.50 **B)** ₹1,371.50 **C)** ₹1,173.50 **D)** ₹1,731.50

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 38.90% Wrong: 41.12%

Q5) A student was getting the following four offers on the purchase of a book:
I - Two successive discounts of 20% and 20%
II - Two successive discounts of 25% and 15%
III - Two successive discounts of 30% and 10%
IV - Two successive discounts of 5% and 35%
Which scheme offers the most discount to the student?

A) III **B)** II **C)** IV **D)** I

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 43.24% Wrong: 40.97%

Q6) If the marked price of an article is ₹7,895 and the discount offered is 4.2%, then the selling price (in ₹) is:

A) 7,563.41 **B)** 7,635.41 **C)** 7,456.31 **D)** 7,364.51

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 44.27% Wrong: 37.04%

Q7) The marked price of a platinum ring is ₹52,300 and it is available for sale at two successive discounts of 20% and 4%. What is the selling price (in ₹) of the platinum ring? (Round off to the nearest rupee.)

A) 40,200 **B)** 40,033 **C)** 40,166 **D)** 40,233

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 44.96% Wrong: 39.92%

Q8) Applied to a bill of ₹600, the difference between a single discount of 25% and two successive discounts of 10% and 15% is:

A) ₹1.5 **B)** ₹11 **C)** ₹10 **D)** ₹9

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.35% Wrong: 41.00%

Q9) If the selling price is ₹2,886 after allowing a discount of 26% on the marked price, then the amount of discount is:

A) ₹1,014 **B)** ₹2,000 **C)** ₹2,190 **D)** ₹1,625

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 46.07% Wrong: 35.31%

Q10) Find the effective discount for the scheme 'buy 10, get 6 free'.

A) 60% **B)** 37.5% **C)** 73.5% **D)** 62.5%

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 47.57% Wrong: 43.53%

Q11) A sales man offers the following scheme discount on the sale of pencils in his shop: 'Buy 20 and get 5 free'. What is the percentage of his scheme discount?

A) 15% **B)** 10% **C)** 20% **D)** 25%

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 48.05% Wrong: 43.12%

Q12) Bipin offers a discount scheme that on buying 7 notebooks, get 3 for free. What will be the sale price (in ₹) of a notebook with a marked price ₹185, if the equivalent percentage discount is applied?

A) 129.50 **B)** 130 **C)** 130.50 **D)** 129

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 48.15% Wrong: 33.09%

Q13) A customer could not decide between a discount of 40% or two successive discounts of 25% and 15% to buy a certain article. What is the difference between both the discounts?

A) 3.25% **B)** 2.75% **C)** 2.25% **D)** 3.75%

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 50.10% Wrong: 33.81%

Q14) The marked price of a chair was ₹19,200. The shopkeeper was offering it for a discount of 20%, but on further bargaining agreed to offer a successive discount and finally sold the chair for ₹13,824. What was the second discount offered by the shopkeeper?

A) 15% **B)** 10% **C)** 20% **D)** 5%

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 50.92% Wrong: 34.72%

Q15) What is a single discount equivalent to the three successive discounts of 30%, 25% and 40%?

A) 60.1% **B)** 64.2% **C)** 68.5% **D)** 65.8%

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 51.39% Wrong: 34.41%

Q16) A retailer offers a discount scheme where customers receive a 10% discount on purchases between ₹1,000 and ₹5,000, and a 20% discount on purchases above ₹5,000. If a customer buys goods worth ₹6,000, how much will they save (in ₹) compared to the original price?

A) 1,000 **B)** 1,100 **C)** 1,200 **D)** 1,300

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 51.44% Wrong: 28.28%

Q17) In a medical store, the marked price of an injection is ₹6,490. The medical store owner gives a discount of 18% on its sale. What is the sale price (in ₹) of the injection? (Rounded off to the nearest rupee.)

A) 5,112 **B)** 5,421 **C)** 5,322 **D)** 5,233

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 51.55% Wrong: 36.27%

Q18) The marked price of a table is ₹8,980. If the shopkeeper offers a discount of 19%, what is its selling price (in ₹, to the nearest rupee)?

A) ₹7,427 **B)** ₹7,472 **C)** ₹7,247 **D)** ₹7,274

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 52.29% Wrong: 33.78%

Q19) The single discount equivalent to three successive discounts of 16%, 10% and 25% is:

A) 38.7% **B)** 43.3% **C)** 53.6% **D)** 49.5%

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 52.69% Wrong: 35.29%

Q20) A shopkeeper offers a festive offer: buy any three shirts, get two free. Find the equivalent percentage discount for the offer.

A) 20% **B)** 60% **C)** 30% **D)** 40%

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 53.45% Wrong: 36.86%

Q21) An article is marked at ₹950. If it is sold at a discount of 20%, then the selling price becomes 2.5 times of its cost price. What is the cost price?

A) ₹318 **B)** ₹304 **C)** ₹312 **D)** ₹299

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 53.49% Wrong: 32.17%

Q22) What will be the difference between the sale price (in ₹) of a book with a marked price ₹1,500 under the following discount schemes?

(i) Two successive discounts of 20% each
(ii) Two successive discounts of 30% and 10%

A) 12 **B)** 15 **C)** 18 **D)** 20

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 53.69% Wrong: 28.44%

Q23) What is the effective discount per cent (rounded off to 2 decimal places) if a shopkeeper offers a scheme, “buy five and get one free”?

A) 16.33% **B)** 24.67% **C)** 24.33% **D)** 16.67%

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 55.11% Wrong: 31.83%

Q24) What is the single per cent discount equivalent to two successive discounts of 18.5% and 11.5%?

A) 30% **B)** 27% **C)** 27.8725% **D)** 32.1275%

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 56.60% Wrong: 31.43%

Q25) Two successive discounts of 30% and 20% was offered on food items. A man paid ₹840 for the food item. The bill amount of food item (in ₹) is:

A) 2,000 **B)** 1,200 **C)** 1,800 **D)** 1,500

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 56.69% Wrong: 30.33%

Q26) Which scheme provides the highest discount among the options given?

A) Two successive discounts of 8% each **B)** Two successive discounts of 10% each

C) Two successive discounts of 5% each **D)** Two successive discounts of 8% and 11%

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 56.80% Wrong: 35.33%

Q27) The marked price of a wrist watch is ₹1,200. It is sold at two successive discounts of 5% and 8%, respectively. Find its selling price.

A) ₹1,048.80 **B)** ₹1,052.60 **C)** ₹1,070.85 **D)** ₹1,085.65

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 59.34% Wrong: 28.99%

Q28) Which of the following schemes provide the highest discount?

A) Two successive discounts of 10% and 3% **B)** Two successive discounts of 10% each

C) Two successive discounts of 7% and 10% **D)** Two successive discounts of 5% and 10%.

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 60.33% Wrong: 31.83%

Q29) A store offers two successive discounts of 12% and 18% on an item. What is the equivalent single discount that a customer would receive if these two discounts were applied together?

A) 26.46% **B)** 27.84% **C)** 30% **D)** 28.64%

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 60.65% Wrong: 28.42%

Q30) A merchant fixes the marked price of his goods at 50% above the cost price. He sells his goods at 12% discount. His percentage of profit is:

A) 37% **B)** 32% **C)** 43% **D)** 35%

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.78% Wrong: 27.79%

Q31) What is the effective discount per cent if a shopkeeper offers a scheme, “Buy five and get three free”?

A) 37.5% **B)** 41.5% **C)** 33.8% **D)** 35.5%

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 64.98% Wrong: 24.90%

Q32) The marked price of an article is ₹60,000. It is sold at successive discounts of 10%, 15% and 20%. Find the selling price of the article.

A) ₹36,720 **B)** ₹36,710 **C)** ₹36,750 **D)** ₹36,700

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.81% Wrong: 23.78%

Q33) The marked price of an electronic watch in a store is ₹45,880 and it is available at a discount of 25%. What is the price (in ₹) that a customer pays if he buys it from the store?

A) 31,440 **B)** 34,410 **C)** 31,400 **D)** 34,140

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 68.10% Wrong: 20.97%

Q34) A washing machine is marked at ₹30,000. A customer gets two successive discounts of 20% and 10%. What is the final price (in ₹) that the customer has to pay?

A) 23,400 **B)** 22,800 **C)** 22,900 **D)** 21,600

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 69.82% Wrong: 21.08%

Q35) A company offers a buy 2 get 1 free scheme on pens priced at ₹10 each. What is the effective discount percentage?

A) $27\frac{2}{3}\%$ **B)** $27\frac{1}{3}\%$ **C)** $33\frac{2}{3}\%$ **D)** $33\frac{1}{3}\%$

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 70.24% Wrong: 19.38%

Q36) The marked price of an electronic watch in a store is ₹25,960, and it is available at a discount of 20%. What is the price (in ₹) that a customer pays if he buys it from the store?

A) ₹20,876 **B)** ₹20,867 **C)** ₹20,768 **D)** ₹20,786

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 72.45% Wrong: 17.43%

Q37) The marked price of an article is ₹3,500. If the selling price is ₹2,800, then the discount percent is:

A) 20% **B)** 17.9% **C)** 18.5% **D)** 15%

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 73.27% Wrong: 19.76%

Answer Key (Q1 to Q37) Discount

Q1: 3	Q2: 3	Q3: 2	Q4: 1	Q5: 3
Q6: 1	Q7: 3	Q8: 4	Q9: 1	Q10: 2
Q11: 3	Q12: 1	Q13: 4	Q14: 2	Q15: 3
Q16: 3	Q17: 3	Q18: 4	Q19: 2	Q20: 4
Q21: 2	Q22: 2	Q23: 4	Q24: 3	Q25: 4
Q26: 2	Q27: 1	Q28: 2	Q29: 2	Q30: 2
Q31: 1	Q32: 1	Q33: 2	Q34: 4	Q35: 4
Q36: 3	Q37: 1			

Ratio and Proportion

Q1) Find the mean proportion of 5.76 and 0.88. (rounded off to two decimal places)

A) 2.25 **B)** 2.85 **C)** 2.54 **D)** 2.34

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 20.21% Wrong: 55.25%

Q2) The third proportional of $\frac{x^{2.5}}{y^{1.5}} \times z^{3.5}$ and $x^{0.25} \times \frac{y^{0.25}}{z^{-0.25}}$ is _____.

A) $\frac{y^3}{x^3z^3}$ **B)** $\frac{y^2}{x^2z^3}$ **C)** $\frac{y^2}{x^2z^2}$ **D)** $\frac{y^2}{x^3z^2}$

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 21.75% Wrong: 40.10%

Q3) If x varies indirectly to y^2 and if x = 78, y = 11, then find the value of x when y = 2.2.

A) 1950 **B)** 1995 **C)** 1880 **D)** 1725

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 26.15% Wrong: 43.72%

Q4) The fourth proportional of a, c and bc is d. The fourth proportional of $\frac{bc^2}{a}$, $\frac{ad}{c}$ and c is _____.

A) c **B)** a **C)** b **D)** d

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 27.32% Wrong: 47.64%

Q5) The third proportional to x and x + 100 is 405, find the value of x (where x > 100).

A) 225 **B)** 125 **C)** 115 **D)** 180

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 27.40% Wrong: 43.32%

Q6) x varies inversely to the square of y. Given that y = 5 when x = 6, find the value of x when y = 4.

A) 9.175 **B)** 9.835 **C)** 9.375 **D)** 9.925

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 27.57% Wrong: 39.82%

Q7) The students in the three sections A, B and C of Class X are in the ratio 5 : 4 : 7. If 15, 16 and 9 new students are admitted to sections A, B and C, respectively, the ratio changes to 10 : 9 : 11. What is the total number of students in Class X after the new admissions?

A) 210 **B)** 120 **C)** 150 **D)** 90

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 27.86% Wrong: 49.18%

Q8) Find the mean proportional of $(12 + 6\sqrt{2})$ and $(8 - 4\sqrt{2})$.

A) $4\sqrt{3}$ **B)** $3\sqrt{2}$ **C)** $3\sqrt{3}$ **D)** $4\sqrt{2}$

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 29.30% Wrong: 49.30%

Q9) If x and y are inversely proportional, then which of the following is correct?

A) $\frac{x}{y} = k$ **B)** $xy = \frac{y}{x}$ **C)** $\frac{x}{y} = 1$ **D)** $xy = k$

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 30.19% Wrong: 62.37%

Q10) What is the correct descending order of the ratios 17 : 42, 19 : 21, 1 : 7, 11 : 13, 23 : 26?

A) 23 : 26, 19 : 21, 11 : 13, 17 : 42, 1 : 7 **B)** 19 : 21, 23 : 26, 11 : 13, 1 : 7, 17 : 42

C) 19 : 21, 11 : 13, 23 : 26, 17 : 42, 1 : 7 **D)** 19 : 21, 23 : 26, 11 : 13, 17 : 42, 1 : 7

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 30.25% Wrong: 49.69%

Q11) Find the third proportional of $(3+\sqrt{2})$ and $2\sqrt{7}$.

A) $2(3+\sqrt{2})$ **B)** $(12-\sqrt{8})$ **C)** $4(3-\sqrt{2})$ **D)** $(12+\sqrt{8})$

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 30.27% Wrong: 45.08%

Q12) The third proportional of numbers a and b is ab. Which of the following statements is true?

A) $2a = b$ **B)** $a = 2b$ **C)** $a^2 = b$ **D)** $a = b^2$

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 30.44% Wrong: 57.35%

Q13) Which of the following numbers must be added to each of the numbers 9, 16, 13 and 23 so that the resulting numbers are in proportion?

A) $\frac{2}{5}$ **B)** $\frac{2}{3}$ **C)** $\frac{1}{3}$ **D)** $\frac{1}{2}$

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 31.23% Wrong: 42.29%

Q14) The marks in Mathematics and English of S are in proportion. Last year when he got 60 marks in Mathematics, he secured 75 marks in English. If his marks in English this year are 60, then his Mathematics marks are _____.

A) 48 **B)** 40 **C)** 60 **D)** 75

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 31.78% Wrong: 56.17%

Q15) The mean proportional of x and y is z. What is the mean proportional of x^2z and y^2z ?

A) xz^2 **B)** z **C)** yz^2 **D)** z^3

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 31.91% Wrong: 51.35%

Q16) If the third proportional of $3x^2$ and 4xy is 48, then the positive value of y is:

A) 6 **B)** 2 **C)** 9 **D)** 3

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 33.08% Wrong: 42.98%

Q17) The ratio between the original price of a movie ticket and increased price of the movie ticket is 10 : 13. What is the increase in the revenue of the cinema hall, if the original price of the movie ticket was ₹250 and total 3600 tickets were sold as per the maximum capacity of the cinema hall that is 3600 persons?

A) ₹2,70,000 **B)** ₹1,28,000 **C)** ₹82,000 **D)** ₹1,98,000

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 33.88% Wrong: 42.07%

Q18) If F1 and F2 are the fourth proportional to $\frac{2}{7}, \frac{7}{12}, 8$ and $\frac{5}{6}, \frac{4}{3}, 10$, respectively, then what is F1 : F2?

A) 16 : 9 **B)** 49 : 48 **C)** 49 : 16 **D)** 25 : 16

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 34.39% Wrong: 39.57%

Q19) Find the mean proportional between $(4+\sqrt{5})$ and $(12-2\sqrt{20})$.

A) $\sqrt{39}$ **B)** $2\sqrt{7-\sqrt{5}}$ **C)** $\sqrt{7-\sqrt{5}}$ **D)** $2\sqrt{7+\sqrt{5}}$

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 36.44% Wrong: 38.78%

Q20) When x is subtracted from each of 55, 50, 23 and 22, the resulting numbers, in this order, are in proportion. What is the fourth proportion of 3, 7 and x?

A) 35 **B)** 32 **C)** 38 **D)** 36

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 37.29% Wrong: 36.71%

Q21) The mean proportional between 25 and a number N is two times the mean proportional between 15 and 35. The number N is:

A) 84 **B)** 80 **C)** 72 **D)** 76

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 37.74% Wrong: 39.19%

Q22) Find the fourth proportional of $5\sqrt{24}$, $3\sqrt{10}$ and $3\sqrt{15}$.

A) 4.5 **B)** 3 **C)** 3.5 **D)** 4

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 38.43% Wrong: 38.56%

Q23) Two numbers, m and n, are such that the sum of 4% of m and 6% of n is equal to half of the sum of 7% of m and 14% of n. Determine the ratio of m : n.

A) 1 : 2 **B)** 2 : 3 **C)** 2 : 1 **D)** 3 : 2

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 39.17% Wrong: 43.54%

Q24) Which of the following ratios is the highest?

A) 12 : 19 **B)** 15 : 19 **C)** 21 : 26 **D)** 19 : 13

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 40.26% Wrong: 51.43%

Q25) Two numbers are in the ratio of 4 : 9. If the mean proportional between them is 24, find the positive difference between the two numbers.

A) 30 **B)** 25 **C)** 15 **D)** 20

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 40.54% Wrong: 38.57%

Q26) The mean proportion of $\frac{a^2}{b^3}$ and $\frac{9b^2}{4a^3}$ is _____.

A) $\frac{9}{4\sqrt{ab}}$ **B)** $\frac{3}{2\sqrt{ab}}$ **C)** $\frac{3}{2(ab)}$ **D)** $\frac{9}{4(ab)}$

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 41.25% Wrong: 38.48%

Q27) Two numbers are x and 4x, and their mean proportional is 456976. Find x.

A) 228848 **B)** 288488 **C)** 228488 **D)** 228448

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 43.48% Wrong: 32.40%

Q28) The fourth proportional to 4, a and 16a is 81. Find the value of a^2.

A) 20.25 **B)** 16.5 **C)** 22.5 **D)** 24.75

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 44.62% Wrong: 36.52%

Q29) Compare the ratios 12 : 13, 7 : 8, 9 : 10, and 5 : 6. Which one is greater than 0.9 but smaller than 0.95?

A) 9 : 10 **B)** 7 : 8 **C)** 12 : 13 **D)** 5 : 6

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.27% Wrong: 36.09%

Q30) If x varies directly to y and if x = 3, y = 5, then find the value of y when x = 7.8.

A) 12 **B)** 13 **C)** 11 **D)** 14

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.97% Wrong: 37.55%

Q31) Given that X is the third proportional of 20 and Y, if Y is the sum of the first three prime numbers, then the value of X is:

A) 6 **B)** 10 **C)** 5 **D)** 3

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 46.33% Wrong: 34.87%

Q32) The power consumption of an electrical device varies directly with the square of the voltage applied. If a device consumes 150 watts when the voltage is 120 volts, how much power (in watts) will it consume at 240 volts?

A) 550 **B)** 650 **C)** 500 **D)** 600

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 48.16% Wrong: 28.16%

Q33) What is the smallest number that should be added to 40 so that the result is the third proportional to 16 and 28?

A) 8 **B)** 9 **C)** 10 **D)** 7

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 48.17% Wrong: 39.82%

Q34) If the mean proportional of 18 and 98 is 2A + 6, the value of A is:

A) 16 **B)** 19 **C)** 18 **D)** 17

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 48.87% Wrong: 30.08%

Q35) If p varies directly to q and $p_1 = 15$, $q_1 = 630$, and $p_2 = 6$, then find the value of q_2.

A) 7 **B)** 84 **C)** 42 **D)** 252

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 50.44% Wrong: 35.03%

Q36) The ratio between two numbers is 19 : 24. If each number is reduced by 36, the ratio becomes 3 : 4. Find the sum of the numbers.

A) 387 **B)** 305 **C)** 238 **D)** 295

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 50.78% Wrong: 32.03%

Q37) T1 and T2 are the third proportional to 16, 36 and 24, 60, respectively. Find the ratio of T1 to T2.

A) 20 : 33 **B)** 32 : 41 **C)** 27 : 50 **D)** 14 : 19

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 51.47% Wrong: 32.23%

Q38) Compare the ratios 2 : 3, 5 : 7, 3 : 4, 5 : 9. Which one is the smallest?

A) 5 : 9 **B)** 3 : 4 **C)** 2 : 3 **D)** 5 : 7

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 51.84% Wrong: 41.34%

Q39) Rupali scored twice as many marks in maths as she did in science. Her total marks in maths, science and computer are 234. If the ratio of her marks in maths and computer is 4 : 3. Find Rupali's marks in maths.

A) 89 **B)** 104 **C)** 68 **D)** 98

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 51.91% Wrong: 32.70%

Q40) The mean proportional between 68 and 272 is:

A) 114 **B)** 136 **C)** 126 **D)** 124

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 52.57% Wrong: 30.73%

Q41) The ages of A and B are in the ratio 4 : 9. If the difference of their ages is 10 years, compare their ages after 4 years from now.

A) 12 : 19 **B)** 25 : 29 **C)** 6 : 11 **D)** 13 : 23

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 54.43% Wrong: 36.15%

Q42) Determine the number that must be subtracted from both terms of the ratio 43 : 91 to make the ratio 3 : 7.

A) 4 **B)** 6 **C)** 7 **D)** 5

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 55.60% Wrong: 30.97%

Q43) What is the third proportional to 28 and 112?

A) 84 **B)** 336 **C)** 224 **D)** 448

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 55.91% Wrong: 31.76%

Q44) The fourth proportional to 5, 35 and x is 84, find the value of x.

A) 294 **B)** 12 **C)** 588 **D)** 14

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 57.00% Wrong: 31.43%

Q45) The fourth proportional to 16, a and 9a is 324. What is the value of a?

A) 28 **B)** 20 **C)** 24 **D)** 32

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 57.41% Wrong: 29.11%

Q46) The mean proportional between 36 and a number N is three times the mean proportional between 8 and 32. The number N is:

A) 47 **B)** 58 **C)** 51 **D)** 64

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 59.05% Wrong: 23.24%

Q47) The ratio of the areas of two triangles is 4 : 3 and the ratio of their heights is 3 : 4. The ratio of their bases is:

A) 16 : 9 **B)** 3 : 2 **C)** 4 : 9 **D)** 1 : 6

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 59.08% Wrong: 26.56%

Q48) The rate of advertisement on a TV channel is directly proportional to the duration of the advertisement. If the rate of an advertisement of 20 seconds is ₹1,25,000, then the rate of an advertisement of 25 seconds will be ₹_____.

A) 1,55,620 **B)** 1,65,250 **C)** 1,56,250 **D)** 1,62,550

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 59.19% Wrong: 27.43%

Q49) The mean proportional of 0.5 and 72 is:

A) $\sqrt{3}$ **B)** $\sqrt{6}$ **C)** $\sqrt{5}$ **D)** 6

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.33% Wrong: 30.68%

Q50) Find the ratio between the third proportional of 12 and 42 with the third proportional of 16 and 56.

A) 3 : 4 **B)** 2 : 3 **C)** 5 : 6 **D)** 4 : 5

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.44% Wrong: 25.93%

Q51) The mean proportional between 2.8 and 0.7 is:

A) 1.4 **B)** 1.8 **C)** 1.9 **D)** 1.2

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 60.14% Wrong: 29.03%

Q52) The third proportional of 20 and 25 is:

A) 31.75 **B)** 32.75 **C)** 31.25 **D)** 32.25

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 60.38% Wrong: 26.34%

Q53) The force acting on an object is directly proportional to its mass. If a force of 10 N is required to move an object of mass 2 kg, what force (in newtons) is needed to move an object of mass 5 kg?

A) 25 **B)** 30 **C)** 20 **D)** 15

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 60.71% Wrong: 23.80%

Q54) The first, second and fourth numbers in a proportion are 31, 12 and 156, respectively. The third number is:

A) 302 **B)** 403 **C)** 290 **D)** 387

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 61.26% Wrong: 25.46%

Q55) Find the third proportional of 36 and 42.

A) 49 **B)** 38 **C)** 42 **D)** 56

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 61.52% Wrong: 28.26%

Q56) If 7A = 6B = 12C, what is A : B : C?

A) 7 : 12 : 14 **B)** 12 : 14 : 7 **C)** 12 : 7 : 14 **D)** 14 : 12 : 7

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 61.69% Wrong: 28.02%

Q57) The third proportional to 0.13 and 0.52 is:

A) 1.45 **B)** 3.12 **C)** 2.65 **D)** 2.08

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.82% Wrong: 27.81%

Q58) Find the third proportional of 18 and 30.

A) 48 **B)** 53 **C)** 60 **D)** 50

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 62.05% Wrong: 30.07%

Q59) Find the mean proportional between 6 and 150.

A) 90 **B)** 45 **C)** 60 **D)** 30

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 62.96% Wrong: 26.82%

Q60) Which of the following numbers will come in the place of x in the given equation?

0.3 : 4.8 : : 0.2 : x

A) 3.8 **B)** 2.1 **C)** 3.2 **D)** 4.2

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 63.04% Wrong: 29.28%

Q61) The present age ratio of the mother to the daughter is 7 : 2. After 12 years, their ages will be in the ratio of 9 : 4. What is the current age of the mother?

A) 48 years **B)** 52 years **C)** 42 years **D)** 38 years

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 63.24% Wrong: 27.07%

Q62) Find the ratio between the third proportional of 32 and 48 with the third proportional of 4 and 18.

A) 3 : 4 **B)** 4 : 7 **C)** 8 : 9 **D)** 7 : 8

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 63.67% Wrong: 25.36%

Q63) The amount of money earned on a job is directly proportional to the number of hours worked. If ₹324 is earned in 6 hours, then how much money (in ₹) will be earned in 29 hours of work?

A) ₹1,676 **B)** ₹1,566 **C)** ₹1,655 **D)** ₹1,585

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.80% Wrong: 21.09%

Q64) The ratio of two numbers is 16 : 23. If the difference between the numbers is 224, what is the smaller number?

A) 425 **B)** 412 **C)** 325 **D)** 512

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 67.21% Wrong: 22.52%

Q65) The mean proportional between 36 and 9 is:

A) 12 **B)** 18 **C)** 9 **D)** 24

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 67.60% Wrong: 24.74%

Q66) The fourth proportional to 2.5, 9.6 and 75 is:

A) 212 **B)** 288 **C)** 198 **D)** 232

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 67.65% Wrong: 21.02%

Q67) The fourth proportional to 17, 87 and 119 is:

A) 354 **B)** 405 **C)** 525 **D)** 609

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 67.74% Wrong: 21.20%

Q68) Find the mean proportional of 9 and 49.

A) 21 **B)** 49 **C)** 29 **D)** 9

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 68.53% Wrong: 23.91%

Q69) Divide ₹4,800 among Ram, Shyam and Kartik in the ratio of 4 : 8 : 3. Find the amount received by Shyam.

A) ₹1,850 **B)** ₹1,680 **C)** ₹2,270 **D)** ₹2,560

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 71.31% Wrong: 19.49%

Q70) What is the third proportional to 16 and 48?

A) 144 **B)** 121 **C)** 169 **D)** 135

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 72.17% Wrong: 17.01%

Q71) The ratio of male and female employees in a multinational company is 4 : 3. If there are 460 male employees in the company, then find the number of female employees.

A) 540 **B)** 345 **C)** 690 **D)** 230

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 72.92% Wrong: 19.95%

Q72) Find the fourth proportional of 4, 12, and 20.

A) 80 **B)** 60 **C)** 28 **D)** 30

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 73.16% Wrong: 20.11%

Q73) If 3, 6, 12 and b are in continued proportion, then what is the value of b?

A) $b = 2$ **B)** $b = 24$ **C)** $b = 4$ **D)** $b = 12$

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 74.24% Wrong: 18.96%

Q74) Find the fourth proportional of 4, 6 and 5.

A) 9.5 **B)** 8 **C)** 7.5 **D)** 6

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 74.77% Wrong: 16.34%

Q75) A, B and C are sections of Class X. The ratio of A : B is 9 : 4 and that of A : C is 3 : 2. Find A : B : C.

A) 12 : 8 : 27 **B)** 27 : 12 : 8 **C)** 8 : 12 : 27 **D)** 8 : 27 : 12

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 75.60% Wrong: 16.47%

Q76) Find the fourth proportional to 20, 24 and 30.

A) 36 **B)** 16 **C)** 9 **D)** 25

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 76.42% Wrong: 16.64%

Answer Key (Q1 to Q76) Ratio and Proportion

Q1: 1	Q2: 2	Q3: 1	Q4: 2	Q5: 2
Q6: 3	Q7: 2	Q8: 1	Q9: 4	Q10: 4
Q11: 3	Q12: 3	Q13: 3	Q14: 1	Q15: 4
Q16: 4	Q17: 1	Q18: 2	Q19: 2	Q20: 1
Q21: 1	Q22: 1	Q23: 3	Q24: 4	Q25: 4
Q26: 2	Q27: 3	Q28: 1	Q29: 3	Q30: 2
Q31: 3	Q32: 4	Q33: 2	Q34: 3	Q35: 4
Q36: 1	Q37: 3	Q38: 1	Q39: 2	Q40: 2
Q41: 3	Q42: 3	Q43: 4	Q44: 2	Q45: 3
Q46: 4	Q47: 1	Q48: 3	Q49: 4	Q50: 1
Q51: 1	Q52: 3	Q53: 1	Q54: 2	Q55: 1
Q56: 2	Q57: 4	Q58: 4	Q59: 4	Q60: 3

Q61: 3	Q62: 3	Q63: 2	Q64: 4	Q65: 2
Q66: 2	Q67: 4	Q68: 1	Q69: 4	Q70: 1
Q71: 2	Q72: 2	Q73: 2	Q74: 3	Q75: 2
Q76: 1				

Average

Q1) The average of 21 numbers is 74. The average of the first 11 numbers is 72.8 and that of the last 11 numbers is 77.2. If the 10^{th} number is five less than the 11^{th} number and if 10^{th} and 11^{th} numbers are excluded, then what is the average of the remaining numbers? (correct to nearest integer)

A) 71 **B)** 70 **C)** 73 **D)** 72

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 22.25% Wrong: 49.19%

Q2) There are 30 members in group A, 76 members in group B and 44 members in group C. All the members of these groups went to a restaurant. The average amount spent on each member of group A, B and C is ₹249, ₹168 and ₹498, respectively. The total average amount (in ₹) spent per member is:

A) 284 **B)** 282 **C)** 281 **D)** 279

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 24.92% Wrong: 46.48%

Q3) The average of thirteen numbers is 57. The average of first three numbers is 48, and that of the next seven numbers is 58. The 11^{th} number is two times the 12^{th} number and 12^{th} number is 3 less than the 13^{th} number. What is the average of the 11^{th} and 13^{th} numbers?

A) 18 **B)** 72 **C)** 27 **D)** 36

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 24.98% Wrong: 40.73%

Q4) There are 81 members in group A, 29 members in group B and 70 members in group C. All the members of these groups went to a restaurant. The average amount spent on each member of group A, B and C is ₹467, ₹117 and ₹378, respectively. The total average amount (in ₹) spent per member is:

A) 375 **B)** 380 **C)** 376 **D)** 377

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 25.23% Wrong: 45.16%

Q5) There are 49 members in group A, 35 members in group B and 31 members in group C. All the members of these groups went to a restaurant. The average amount spent on each member of group A, B and C is ₹106, ₹141 and ₹226, respectively. The total average amount (in ₹) spent per member is:

A) 146 **B)** 145 **C)** 154 **D)** 149

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 27.08% Wrong: 45.32%

Q6) There are 38 members in group A, 31 members in group B and 52 members in group C. All the members of these groups went to a restaurant. The average amount spent on each member of group A, B and C is ₹375, ₹309 and ₹298, respectively. The total average amount (in ₹) spent per member is:

A) 330 **B)** 329 **C)** 325 **D)** 327

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 27.11% Wrong: 43.03%

Q7) The average pocket money of three children X, Y and Z of a family is ₹2,500 in a particular month. Y spends double and Z spends triple of what X spends during that month. If the average of their unspent money is ₹2,100, then X spends (in ₹):

A) 400 **B)** 600 **C)** 200 **D)** 300

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 28.06% Wrong: 47.63%

Q8) There are 44 members in group A, 26 members in group B and 45 members in group C. All the members of these groups went to a restaurant. The average amount spent on each member of group A, B and C is ₹403, ₹383 and ₹228, respectively. The total average amount (in ₹) spent per member is:

A) 330 **B)** 334 **C)** 329 **D)** 327

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 29.69% Wrong: 44.17%

Q9) Aditya appeared in a competitive exam in which the final grades are determined by three different exams of 100 marks having weights 20%, 35% and 45%, respectively. If Aditya scored 80, 70 and 60 marks in these exams, respectively, then what is the weighted average score of Aditya?

A) 67 **B)** 66.5 **C)** 67.5 **D)** 66

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 36.52% Wrong: 32.91%

Q10) There are 13 members in group A, 10 members in group B and 45 members in group C. All the members of these groups went to a restaurant. The average amount spent on each member of group A, B and C is ₹367, ₹112 and ₹401, respectively. The total average amount (in ₹) spent per member is:

A) 350 **B)** 354 **C)** 352 **D)** 355

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 37.39% Wrong: 37.05%

Q11) Six persons went to a hotel to have their meals. Five of them spent ₹30 each on their meals. The sixth person spent ₹50 more than the average expenditure of all the six. What was the total money spent by all the persons?

A) ₹270 **B)** ₹240 **C)** ₹300 **D)** ₹264

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 39.16% Wrong: 43.21%

Q12) The average of 19 consecutive natural numbers is 41. What is the smallest number among these numbers?

A) 30 **B)** 32 **C)** 31 **D)** 33

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 42.34% Wrong: 44.64%

Q13) The average age of 35 students in a group is 15 years. When the teacher's age is included, the average age of the group increases by 1.25 years. What is the teacher's age (in years)?

A) 45 **B)** 60 **C)** 55 **D)** 50

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 42.56% Wrong: 43.76%

Q14) If the average marks of three sections of Class IX, having 30, 45 and 50 students, respectively, is 80, 75 and 90, then the average marks of all the students of Class IX, is:

A) 85.6 **B)** 82.2 **C)** 78.4 **D)** 80.9

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 43.81% Wrong: 37.69%

Q15) In an English exam of 50 marks of a class, 20 students had an average score of 40 marks, 25 students had an average score of 34 marks and 15 students had an average score of 26 marks. What is the weighted average score of the entire class?

A) 35 **B)** 33 **C)** 34 **D)** 36

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 46.43% Wrong: 36.15%

Q16) The average age of 96 workers in a factory is 32 years. The average age of the men is 41 years and that of the women is 25 years. Find the number of women in the factory.

A) 57 **B)** 67 **C)** 62 **D)** 54

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 46.44% Wrong: 31.28%

Q17) The average weight of 27 students of a class is 53 kg. If the weight of the teacher is included, the average rises by 700 grams. Find the weight (in kg) of the teacher.

A) 65.5 **B)** 78.3 **C)** 62.8 **D)** 72.6

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 46.88% Wrong: 36.17%

Q18) A soap company produces two kinds of soaps having weight 500 gm and 650 gm, respectively. If 200 soaps of the first kind and 300 soaps of second the kind were produced, then what is the weighted average weight (in gm) of the soaps?

A) 620 **B)** 590 **C)** 610 **D)** 600

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 48.15% Wrong: 35.52%

Q19) If the average marks of three sections of Class X, having 35, 40, and 25 students, respectively, are 90, 88, and 80, then the average marks of all the students of Class X, is:

A) 76.8 **B)** 78.6 **C)** 87.6 **D)** 86.7

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 48.77% Wrong: 33.27%

Q20) The average weight of Gopal, Akshay and Atul is 46 kg. If the average weight of Gopal and Akshay be 40 kg and that of Akshay and Atul be 45 kg, then the weight of Akshay (in kg) is:

A) 47 **B)** 42 **C)** 32 **D)** 52

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 49.39% Wrong: 33.72%

Q21) The average weight of Gopal, Akshay and Atul is 45 kg. If the average weight of Gopal and Akshay be 43 kg and that of Akshay and Atul be 43 kg, then the weight of Akshay (in kg) is:

A) 37 **B)** 57 **C)** 47 **D)** 52

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 50.49% Wrong: 35.16%

Q22) The average weight of Anwar, Amit and Gopal is 46 kg. If the average weight of Anwar and Amit be 39 kg and that of Amit and Gopal be 44 kg, then the weight of Amit (in kg) is:

A) 43 **B)** 38 **C)** 48 **D)** 28

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 51.60% Wrong: 34.47%

Q23) The average weight of Anwar, Amit and Gopal is 45 kg. If the average weight of Anwar and Amit be 43 kg and that of Amit and Gopal be 42 kg, then the weight of Amit (in kg) is:

A) 35 **B)** 45 **C)** 55 **D)** 50

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 53.82% Wrong: 31.74%

Q24) The average weight of Ashish, Kiran and Mahesh is 46 kg. If the average weight of Ashish and Kiran be 40 kg and that of Kiran and Mahesh be 43 kg, then the weight of Kiran (in kg) is:

A) 38 **B)** 48 **C)** 28 **D)** 43

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 53.93% Wrong: 33.48%

Q25) The average weight of Akshay, Atul and Baban is 46 kg. If the average weight of Akshay and Atul be 39 kg and that of Atul and Baban be 46 kg, then the weight of Atul (in kg) is:

A) 42 **B)** 52 **C)** 32 **D)** 47

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 54.03% Wrong: 34.01%

Q26) The average of 12 numbers is 49.5. The average of the first 5 numbers is 45, and the average of the next 4 numbers is 53.25. What is the average of the remaining three numbers?

A) 84 **B)** 52 **C)** 62 **D)** 26

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 54.09% Wrong: 30.95%

Q27) The average score of 7 players was initially recorded as 55. However, it was later discovered that a score of 35 had been mistakenly read as 53. Determine the correct average score.(Rounded up to two decimal places)

A) 54.31 **B)** 32.43 **C)** 52.43 **D)** 42.08

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 54.17% Wrong: 29.69%

Q28) There are 50 students in a class. If the average weight of 39 students is 32 kg and the average weight of the entire class is 34 kg, then what is the average weight (in kg) of rest of the 11 students of the class? (Correct up to two decimal places)

A) 42.18 **B)** 41.09 **C)** 40.19 **D)** 43.08

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 54.56% Wrong: 30.90%

Q29) The average weight of Rakesh, Shivam and Rupesh is 46 kg. If the average weight of Rakesh and Shivam be 40 kg and that of Shivam and Rupesh be 48 kg, then the weight of Shivam (in kg) is:

A) 38 **B)** 53 **C)** 48 **D)** 58

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 55.58% Wrong: 32.43%

Q30) The average weight of Mohan, Mohammad and Ashish is 46 kg. If the average weight of Mohan and Mohammad be 39 kg and that of Mohammad and Ashish be 47 kg, then the weight of Mohammad (in kg) is:

A) 44 **B)** 49 **C)** 54 **D)** 34

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 55.76% Wrong: 31.80%

Q31) The average weight of Mukund, Sachin and Chetan is 46 kg. If the average weight of Mukund and Sachin be 39 kg and that of Sachin and Chetan be 45 kg, then the weight of Sachin (in kg) is:

A) 50 **B)** 45 **C)** 40 **D)** 30

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 55.77% Wrong: 31.76%

Q32) A university has 500 faculty members (male and female only) out of which females are 60%. The average height of females is 162 cm and that of males is 168 cm. What is the average faculty height (in cm) of the university?

A) 125.4 **B)** 176.4 **C)** 146.4 **D)** 164.4

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 56.03% Wrong: 26.35%

Q33) The average weight of Kiran, Mahesh and Ram is 46 kg. If the average weight of Kiran and Mahesh be 40 kg and that of Mahesh and Ram be 47 kg, then the weight of Mahesh (in kg) is:

A) 56 **B)** 51 **C)** 36 **D)** 46

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 56.50% Wrong: 31.13%

Q34) The average weight of Tushar, Salil and Mukund is 45 kg. If the average weight of Tushar and Salil be 43 kg and that of Salil and Mukund be 44 kg, then the weight of Salil (in kg) is:

A) 54 **B)** 59 **C)** 39 **D)** 49

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 56.53% Wrong: 31.04%

Q35) The average age of 48 students of a class is 22 years. If the age of the teacher is also included, the average age of the whole group becomes 23 years. The age (in years) of the teacher is:

A) 60 **B)** 71 **C)** 68 **D)** 70

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 56.85% Wrong: 30.67%

Q36) 12 chairs and 6 tables were bought for ₹12,600. If the average cost of a table is ₹1,500, then find the average cost of a chair.

A) ₹350 **B)** ₹500 **C)** ₹250 **D)** ₹300

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 57.02% Wrong: 31.68%

Q37) The average weight of Rupesh, Mandar and Ketan is 45 kg. If the average weight of Rupesh and Mandar be 43 kg and that of Mandar and Ketan be 45 kg, then the weight of Mandar (in kg) is:

A) 56 **B)** 41 **C)** 61 **D)** 51

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 58.04% Wrong: 27.89%

Q38) The average age of 57 students of a class is 13 years. If the age of the teacher is also included, the average age of the whole group becomes 14 years. The age (in years) of the teacher is:

A) 70 **B)** 69 **C)** 72 **D)** 71

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 58.06% Wrong: 31.10%

Q39) The average weight of Tushar, Salil and Mukund is 46 kg. If the average weight of Tushar and Salil be 40 kg and that of Salil and Mukund be 46 kg, then the weight of Salil (in kg) is:

A) 34 **B)** 49 **C)** 44 **D)** 54

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 58.06% Wrong: 30.98%

Q40) The average weight of Chetan, Vipul and Mohan is 46 kg. If the average weight of Chetan and Vipul be 40 kg and that of Vipul and Mohan be 44 kg, then the weight of Vipul (in kg) is:

A) 40 **B)** 30 **C)** 50 **D)** 45

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 58.07% Wrong: 30.20%

Q41) The average weight of Mahesh, Ram and Anwar is 46 kg. If the average weight of Mahesh and Ram be 39 kg and that of Ram and Anwar be 49 kg, then the weight of Ram (in kg) is:

A) 53 **B)** 58 **C)** 38 **D)** 48

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 58.70% Wrong: 27.28%

Q42) The average age of 22 students of a class is 47 years. If the age of the teacher is also included, the average age of the whole group becomes 48 years. The age (in years) of the teacher is:

A) 71 **B)** 67 **C)** 70 **D)** 69

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 59.08% Wrong: 28.48%

Q43) The average weight of Atul, Baban and Rakesh is 46 kg. If the average weight of Atul and Baban be 39 kg and that of Baban and Rakesh be 50 kg, then the weight of Baban (in kg) is:

A) 60 **B)** 50 **C)** 55 **D)** 40

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.74% Wrong: 28.38%

Q44) The time period of a simple pendulum is found to be 2.2 sec, 1.8 sec, 2 sec, 1.6 sec and 2.4 sec. What is the average time period (in sec)?

A) 2.4 **B)** 2.2 **C)** 2 **D)** 1.6

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.92% Wrong: 27.06%

Q45) The average age of 59 students of a class is 22 years. If the age of the teacher is also included, the average age of the whole group becomes 23 years. The age (in years) of the teacher is:

A) 81 **B)** 83 **C)** 84 **D)** 82

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 60.44% Wrong: 26.35%

Q46) The average weight of Mohammad, Ashish and Kiran is 46 kg. If the average weight of Mohammad and Ashish be 40 kg and that of Ashish and Kiran be 42 kg, then the weight of Ashish (in kg) is:

A) 41 **B)** 26 **C)** 46 **D)** 36

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 60.48% Wrong: 29.46%

Q47) The average weight of Mohan, Mohammad and Ashish is 45 kg. If the average weight of Mohan and Mohammad be 43 kg and that of Mohammad and Ashish be 46 kg, then the weight of Mohammad (in kg) is:

A) 53 **B)** 63 **C)** 43 **D)** 58

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 60.60% Wrong: 25.89%

Q48) Ramesh's expenditure in January, February, March and April was ₹28,312, ₹32,252, ₹25,012 and ₹33,500, respectively. What was his average expenditure (in ₹) during these four months?

A) 28,999 **B)** 29,769 **C)** 27,969 **D)** 30,696

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 60.88% Wrong: 26.13%

Q49) The average weight of Shivam, Rupesh and Mandar is 46 kg. If the average weight of Shivam and Rupesh be 39 kg and that of Rupesh and Mandar be 48 kg, then the weight of Rupesh (in kg) is:

A) 36 **B)** 56 **C)** 46 **D)** 51

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.00% Wrong: 27.59%

Q50) In an experiment, the refractive index of water was found to be 1.35, 1.29, 1.32 and 1.36. What is the average refractive index of water?

A) 1.36 **B)** 1.33 **C)** 1.32 **D)** 1.30

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.45% Wrong: 28.16%

Q51) The average weight of Amit, Gopal and Akshay is 45 kg. If the average weight of Amit and Gopal be 43 kg and that of Gopal and Akshay be 47 kg, then the weight of Gopal (in kg) is:

A) 65 **B)** 55 **C)** 60 **D)** 45

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 62.04% Wrong: 24.29%

Q52) The average weight of Mandar, Ketan and Tushar is 45 kg. If the average weight of Mandar and Ketan be 43 kg and that of Ketan and Tushar be 48 kg, then the weight of Ketan (in kg) is:

A) 62 **B)** 47 **C)** 67 **D)** 57

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 62.43% Wrong: 23.61%

Q53) The average age of 26 students of a class is 43 years. If the age of the teacher is also included, the average age of the whole group becomes 44 years. The age (in years) of the teacher is:

A) 68 **B)** 72 **C)** 67 **D)** 70

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 63.35% Wrong: 26.70%

Q54) The average marks of the first 12 students in a class was 33, and the average marks of the next 8 students of the class was 45. What is the average marks of the class? (correct to one decimal place)

A) 45.6 **B)** 46.5 **C)** 37.8 **D)** 38.7

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 63.60% Wrong: 25.05%

Q55) The average score of 5 players of a cricket team is 55. It is also observed that 3 of these 5 players have an average score of 55. What will be the average score of the remaining two players?

A) 55 **B)** 50 **C)** 45 **D)** 60

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 64.91% Wrong: 25.17%

Q56) The average age of 28 students of a class is 40 years. If the age of the teacher is also included, the average age of the whole group becomes 41 years. The age (in years) of the teacher is:

A) 74 **B)** 67 **C)** 70 **D)** 69

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 65.67% Wrong: 22.75%

Q57) The average age of 40 students in a class is 12 years. The average age of group of 5 of students is 10 years and that of another group of 5 of them is 14 years. The average age of the remaining students is:

A) 13 years **B)** 12 years **C)** 10 years **D)** 11 years

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 65.70% Wrong: 22.72%

Q58) The average age of 54 students of a class is 37 years. If the age of the teacher is also included, the average age of the whole group becomes 38 years. The age (in years) of the teacher is:

A) 92 **B)** 95 **C)** 97 **D)** 90

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 65.82% Wrong: 22.33%

Q59) The average age of 39 students of a class is 39 years. If the age of the teacher is also included, the average age of the whole group becomes 40 years. The age (in years) of the teacher is:

A) 81 **B)** 77 **C)** 79 **D)** 83

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.02% Wrong: 22.70%

Q60) The average age of 40 students of a class is 12 years. If the age of the teacher is also included, the average age of the whole group becomes 13 years. The age (in years) of the teacher is:

A) 50 **B)** 51 **C)** 53 **D)** 56

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 66.58% Wrong: 23.20%

Q61) In a class, the average score of boys is 75 with 20 boys and the average score of girls is 85 with 30 girls. What is the overall average score of the class?

A) 82 **B)** 80 **C)** 81 **D)** 83

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.59% Wrong: 24.74%

Q62) The average age of 30 students in a group is 18 years. When the teacher's age is included, the average age of the group increases by 1 year. What is the teacher's age (in years)?

A) 49 **B)** 56 **C)** 40 **D)** 45

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 68.20% Wrong: 20.27%

Q63) Find the average of 309, 125, 90, 45, 125 and 104.

A) 130 **B)** 136 **C)** 139 **D)** 133

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 69.55% Wrong: 23.58%

Q64) The average age of 52 students of a class is 12 years. If the age of the teacher is also included, the average age of the whole group becomes 13 years. The age (in years) of the teacher is:

A) 63 **B)** 68 **C)** 66 **D)** 65

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 69.97% Wrong: 22.01%

Q65) The average age of 48 students of a class is 10 years. If the age of the teacher is also included, the average age of the whole group becomes 11 years. The age (in years) of the teacher is:

A) 65 **B)** 62 **C)** 59 **D)** 60

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 70.76% Wrong: 20.22%

Q66) Five persons in a group have salaries of ₹15,000, ₹25,000, ₹30,000, ₹12,000 and ₹18,000, respectively. What is the average salary (in ₹) per person of the group?

A) 18,000 **B)** 20,000 **C)** 21,000 **D)** 19,000

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 73.10% Wrong: 18.57%

Answer Key (Q1 to Q66) Average

Q1: 4	Q2: 3	Q3: 2	Q4: 3	Q5: 4
Q6: 3	Q7: 3	Q8: 1	Q9: 3	Q10: 3
Q11: 2	Q12: 2	Q13: 2	Q14: 2	Q15: 3
Q16: 4	Q17: 4	Q18: 2	Q19: 4	Q20: 3
Q21: 1	Q22: 4	Q23: 1	Q24: 3	Q25: 3
Q26: 2	Q27: 3	Q28: 2	Q29: 1	Q30: 4
Q31: 4	Q32: 4	Q33: 3	Q34: 3	Q35: 2
Q36: 4	Q37: 2	Q38: 4	Q39: 1	Q40: 2
Q41: 3	Q42: 3	Q43: 4	Q44: 3	Q45: 4
Q46: 2	Q47: 3	Q48: 2	Q49: 1	Q50: 2
Q51: 4	Q52: 2	Q53: 4	Q54: 3	Q55: 1
Q56: 4	Q57: 2	Q58: 1	Q59: 3	Q60: 3
Q61: 3	Q62: 1	Q63: 4	Q64: 4	Q65: 3
Q66: 2				

Percentage

Q1) The expenditure of Sudha is 175% more than her savings. If her expenditure decreases by 12% and savings increase by 40.5%, then by what percent does her income increase?

A) 4% **B)** 5% **C)** 2% **D)** 7%

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 22.36% Wrong: 52.49%

Q2) The population of a district is 385000, out of which 168000 are males. 52% of the population is literate. If 21% males are literate, then what percentage of females are literate?

A) 78% **B)** 73% **C)** 76% **D)** 74%

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 22.50% Wrong: 52.77%

Q3) The population of a district is 384000, out of which 192000 are males. 69% of the population is literate. If 53% males are literate, then what percentage of females are literate?

A) 84% **B)** 87% **C)** 85% **D)** 82%

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 23.88% Wrong: 46.93%

Q4) The population of a district is 383000, out of which 221000 are males. 58% of the population is literate. If 58% males are literate, then what percentage of females are literate?

A) 57% **B)** 61% **C)** 58% **D)** 56%

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 24.32% Wrong: 48.18%

Q5) The price of fuel decreases by 25%, 15% and 45% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Increases by 38.95% **B)** Increases by 47.41% **C)** Decreases by 42.14%

D) Decreases by 37.35%

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 25.38% Wrong: 46.80%

Q6) The price of fuel decreases by 35%, 10% and 30% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Decreases by 33.75% **B)** Decreases by 32.43% **C)** Increases by 31.14%

D) Increases by 32.84%

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 25.46% Wrong: 46.61%

Q7) The population of a district is 333000, out of which 213000 are males. 71% of the population is literate. If 71% males are literate, then what percentage of females are literate?

A) 68% **B)** 69% **C)** 74% **D)** 71%

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 25.52% Wrong: 50.03%

Q8) The income of Raman is ₹75400. He saves 23% of his income. If his income increases by 27% and expenditure increases by 50%, then his savings will:

A) decrease by ₹8671 **B)** increase by ₹8670 **C)** increase by ₹8667 **D)** decrease by ₹8666

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 26.13% Wrong: 43.37%

Q9) What will be difference in population 3 years ago and 2 years ago of a town, whose current population is 110000 and which is increasing at a rate of 25% every year?

A) 13330 **B)** 13530 **C)** 14080 **D)** 14430

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 27.22% Wrong: 47.68%

Q10) What will be difference in population 3 years ago and 2 years ago of a town, whose current population is 100000 and which is increasing at a rate of 25% every year?

A) 12050 **B)** 12800 **C)** 13150 **D)** 12250

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 27.53% Wrong: 50.90%

Q11) The population of a district is 357000, out of which 194000 are males. 47% of the population is literate. If 47% males are literate, then what percentage of females are literate?

A) 45% **B)** 47% **C)** 46% **D)** 48%

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 28.65% Wrong: 45.73%

Q12) The price (per litre) of petrol increases by 85%. By what percent should its consumption be reduced such that the expenditure on it increases by 11% only?

A) 46% **B)** 60% **C)** 40% **D)** 53%

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 28.98% Wrong: 46.46%

Q13) The population of a district is 335000, out of which 214000 are males. 31% of the population is literate. If 31% males are literate, then what percentage of females are literate?

A) 31% **B)** 30% **C)** 33% **D)** 28%

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 29.78% Wrong: 47.79%

Q14) The population of a district is 369000, out of which 186000 are males. 45% of the population is literate. If 45% males are literate, then what percentage of females are literate?

A) 44% **B)** 46% **C)** 45% **D)** 47%

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 30.05% Wrong: 43.13%

Q15) The population of a district is 372000, out of which 168000 are males. 20% of the population is literate. If 20% males are literate, then what percentage of females are literate?

A) 20% **B)** 23% **C)** 18% **D)** 19%

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 31.36% Wrong: 46.35%

Q16) The expenditure of Sudha is 125% more than her savings. If her expenditure decreases by 14% and savings increase by 38%, then by what percent does her income increase?

A) 5% **B)** 4% **C)** 3% **D)** 2%

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 32.07% Wrong: 43.80%

Q17) The price of fuel decreases by 15%, 25% and 35% in three successive months, but increases by 40% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Decreases by 41.98% **B)** Decreases by 40.3% **C)** Increases by 39.36% **D)** Increases by 45.33%

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 32.32% Wrong: 44.57%

Q18) The price (per litre) of petrol increases by 90%. By what percent should its consumption be reduced such that the expenditure on it increases by 33% only?

A) 30% **B)** 64% **C)** 70% **D)** 36%

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 32.41% Wrong: 46.71%

Q19) The price (per litre) of petrol increases by 60%. By what percent should its consumption be reduced such that the expenditure on it increases by 12% only?

A) 70% **B)** 66% **C)** 30% **D)** 36%

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 33.81% Wrong: 45.54%

Q20) The price (per litre) of petrol increases by 60%. By what percent should its consumption be reduced such that the expenditure on it increases by 44% only?

A) 96% **B)** 10% **C)** 16% **D)** 90%

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 33.98% Wrong: 47.07%

Q21) In an examination, there were three papers of Mathematics, two papers of English and one paper of Science. All papers were of 100 marks. S got 60% in Mathematics, 70% in English and 50% in Science. What was his percentage of marks in all papers?

A) 61.33% **B)** 60.67% **C)** 61.67% **D)** 60%

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 34.09% Wrong: 46.99%

Q22) The price of fuel decreases by 15%, 40% and 60% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Increases by 73.26% **B)** Increases by 68.39% **C)** Decreases by 70.42%

D) Decreases by 76.46%

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 34.55% Wrong: 40.00%

Q23) The price (per litre) of petrol increases by 75%. By what percent should its consumption be reduced such that the expenditure on it increases by 47% only?

A) 16% **B)** 77% **C)** 26% **D)** 84%

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 35.01% Wrong: 42.65%

Q24) The price of fuel decreases by 55%, 10% and 20% in three successive months, but increases by 65% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Increases by 51.62% **B)** Increases by 48.43% **C)** Decreases by 46.54%

D) Decreases by 50.53%

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 35.03% Wrong: 38.29%

Q25) The price (per litre) of petrol increases by 80%. By what percent should its consumption be reduced such that the expenditure on it increases by 17% only?

A) 66% **B)** 65% **C)** 35% **D)** 48%

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 35.30% Wrong: 43.50%

Q26) The population of a district is 327000, out of which 224000 are males. 65% of the population is literate. If 65% males are literate, then what percentage of females are literate?

A) 68% **B)** 67% **C)** 65% **D)** 66%

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 35.56% Wrong: 40.46%

Q27) The price (per litre) of petrol increases by 50%. By what percent should its consumption be reduced such that the expenditure on it increases by 14% only?

A) 77% **B)** 76% **C)** 29% **D)** 24%

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 35.83% Wrong: 44.54%

Q28) The price of fuel decreases by 25%, 35% and 40% in three successive months, but increases by 60% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Decreases by 57.28% **B)** Decreases by 53.2% **C)** Increases by 55.35% **D)** Increases by 50.32%

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 35.92% Wrong: 41.40%

Q29) The price of fuel decreases by 40%, 50% and 15% in three successive months, but increases by 40% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Decreases by 64.3% **B)** Increases by 65.91% **C)** Increases by 65.47% **D)** Decreases by 69.09%

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 36.26% Wrong: 39.31%

Q30) The price (per litre) of petrol increases by 70%. By what percent should its consumption be reduced such that the expenditure on it increases by 19% only?

A) 65% **B)** 30% **C)** 36% **D)** 70%

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 36.77% Wrong: 42.99%

Q31) The price (per litre) of petrol increases by 85%. By what percent should its consumption be reduced such that the expenditure on it increases by 48% only?

A) 18% **B)** 82% **C)** 20% **D)** 80%

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 37.35% Wrong: 38.02%

Q32) The price (per litre) of petrol increases by 50%. By what percent should its consumption be reduced such that the expenditure on it increases by 11% only?

A) 36% **B)** 26% **C)** 80% **D)** 74%

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 37.88% Wrong: 43.71%

Q33) The price (per litre) of petrol increases by 50%. By what percent should its consumption be reduced such that the expenditure on it increases by 23% only?

A) 18% **B)** 81% **C)** 21% **D)** 82%

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 37.91% Wrong: 43.41%

Q34) The price of a shirt is first increased by 15% and then decreased by 12%, and again increased by 8%. Find the net increase or decrease percentage (correct to one decimal place) in the price of the shirt.

A) Increase of 10.6% **B)** Increase of 9.3% **C)** Decrease of 10.6% **D)** Decrease of 9.3%

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 39.25% Wrong: 43.65%

Q35) The price (per litre) of petrol increases by 40%. By what percent should its consumption be reduced such that the expenditure on it increases by 19% only?

A) 15% **B)** 85% **C)** 84% **D)** 18%

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 39.60% Wrong: 38.59%

Q36) The price of sugar increased by 22.5%. Anita wants to keep her expenditure on sugar same as before. By what percentage must she reduce her consumption of sugar (correct to two place of decimals)?

A) 19.24% **B)** 18.37% **C)** 18.80% **D)** 17.12%

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 40.48% Wrong: 38.38%

Q37) The population of a district is 340000, out of which 217000 are males. 11% of the population is literate. If 11% males are literate, then what percentage of females are literate?

A) 12% **B)** 14% **C)** 13% **D)** 11%

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 40.58% Wrong: 37.88%

Q38) The price (per litre) of petrol increases by 50%. By what percent should its consumption be reduced such that the expenditure on it increases by 41% only?

A) 6% **B)** 8% **C)** 94% **D)** 93%

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.66% Wrong: 43.66%

Q39) The price of fuel decreases by 40%, 30% and 10% in three successive months, but increases by 40% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Decreases by 47.08% **B)** Decreases by 43.81% **C)** Increases by 49.94%

D) Increases by 45.65%

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.85% Wrong: 38.63%

Q40) The price of fuel decreases by 10%, 50% and 50% in three successive months, but increases by 45% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Increases by 73.86% **B)** Decreases by 67.02% **C)** Decreases by 67.38%

D) Increases by 68.74%

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 42.42% Wrong: 37.09%

Q41) The price (per litre) of petrol increases by 40%. By what percent should its consumption be reduced such that the expenditure on it increases by 12% only?

A) 86% **B)** 20% **C)** 80% **D)** 18%

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 43.05% Wrong: 40.68%

Q42) The price (per litre) of petrol increases by 75%. By what percent should its consumption be reduced such that the expenditure on it increases by 26% only?

A) 18% **B)** 75% **C)** 72% **D)** 28%

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 44.91% Wrong: 35.27%

Q43) The price of fuel decreases by 20%, 35% and 20% in three successive months, but increases by 50% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Decreases by 37.6% **B)** Increases by 39.74% **C)** Decreases by 40.94% **D)** Increases by 36.35%

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 45.11% Wrong: 33.75%

Q44) The price of fuel decreases by 40%, 10% and 50% in three successive months, but increases by 50% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Increases by 57.3% **B)** Decreases by 59.5% **C)** Increases by 56.29% **D)** Decreases by 61.17%

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 45.51% Wrong: 33.20%

Q45) The price of fuel decreases by 25%, 10% and 30% in three successive months, but increases by 60% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

A) Decreases by 30.76% **B)** Increases by 23.98% **C)** Decreases by 24.4% **D)** Increases by 27.32%

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.63% Wrong: 34.11%

Q46) The ratio of income and expenditure is 6 : 5. Income increases by 40% and expenditure decreases by 20%. If the initial expenditure is ₹4,50,000. Find the final saving (in ₹).

A) 3,96,000 **B)** 3,84,000 **C)** 3,90,000 **D)** 3,69,000

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 45.94% Wrong: 35.40%

Q47) A number is first decreased by 15% and then increased by 20%. The number so obtained is 78 more than the original number. The original number is:

A) 3900 **B)** 2600 **C)** 4500 **D)** 5200

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 47.79% Wrong: 32.62%

Q48) The value of an ornament depreciates every year by 5%. If the present value of the ornament is ₹12,500, what will be its value after 2 years?

A) ₹11,315.50 **B)** ₹11,250 **C)** ₹11,325 **D)** ₹11,281.25

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 48.69% Wrong: 36.82%

Q49) A candidate scores 25% marks and fails by 68 marks, while another candidate, who scores 50% marks, gets 42 marks more than the minimum required marks to pass the examination. Find the maximum marks for the examination.

A) 410 **B)** 440 **C)** 430 **D)** 400

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 49.08% Wrong: 32.58%

Q50) A number is increased by 50% and then again by 50%. By what percentage should the increased number be reduced so as to get back the original number?

A) $40\frac{2}{3}\%$ **B)** $55\frac{5}{9}\%$ **C)** $50\frac{1}{5}\%$ **D)** $45\frac{4}{3}\%$

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 50.00% Wrong: 35.54%

Q51) The cost price of an article is increased by 15% and later the new price is decreased by 15%. If the latest price of the article is ₹19,550, find the original cost price of the article.

A) ₹20,000 **B)** ₹18,500 **C)** ₹22,500 **D)** ₹16,500

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 50.00% Wrong: 37.25%

Q52) The first and second numbers are, respectively, 35% and 45% less than the third number. The second number is what percentage of the first number?

A) $64\frac{7}{12}\%$ **B)** $79\frac{2}{19}\%$ **C)** $68\frac{9}{16}\%$ **D)** $84\frac{8}{13}\%$

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 50.26% Wrong: 30.25%

Q53) The population of a town increases by 8% annually. If the present population is 45,000, what will be its population after 2 years?

A) 52,488 **B)** 52,200 **C)** 52,316 **D)** 52,532

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 52.36% Wrong: 37.56%

Q54) If the numerator of a fraction is decreased by 10% and the denominator is increased by 15%, the value of the new fraction becomes $\frac{2}{5}$. What is the original fraction?

A) $\frac{21}{41}$ **B)** $\frac{23}{45}$ **C)** $\frac{17}{27}$ **D)** $\frac{32}{55}$

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 52.90% Wrong: 28.37%

Q55) The price (per litre) of petrol increases by 50%. By what percent should its consumption be reduced such that the expenditure on it increases by 32% only?

A) 8% **B)** 12% **C)** 88% **D)** 95%

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 53.16% Wrong: 32.30%

Q56) If the price of petrol increases from ₹90/l to ₹110/l, by what percentage does a person have to decrease his consumption so that his expenditure on petrol remains the same (approximate to two decimals)?

A) 78.78% **B)** 25.25% **C)** 18.18% **D)** 81.81%

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 55.47% Wrong: 32.30%

Q57) In a fraction, the numerator is increased by 40% and the denominator is diminished by 20%. What fraction of the original is the new fraction?

A) $\frac{4}{7}$ **B)** $\frac{2}{5}$ **C)** $\frac{3}{4}$ **D)** $\frac{7}{4}$

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 55.94% Wrong: 34.99%

Q58) The salary of an employee is increased by 30%. By what percentage should the new salary be reduced in order to restore the original salary? (Rounded off to 2 decimal places)

A) 25% **B)** 27.02% **C)** 30% **D)** 23.08%

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 56.05% Wrong: 33.88%

Q59) If the numerator of a fraction is increased by 10% and its denominator is diminished by 10%, then the fraction becomes $\frac{11}{45}$. Find the original fraction.

A) $\frac{2}{3}$ **B)** $\frac{2}{5}$ **C)** $\frac{4}{5}$ **D)** $\frac{1}{5}$

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 58.46% Wrong: 27.00%

Q60) If the income of Ravi is 24% more than that of Ram, then by what percentage is the income of Ram less than that of Ravi?

A) $\frac{700}{31}\%$ **B)** $\frac{600}{31}\%$ **C)** $\frac{400}{31}\%$ **D)** $\frac{500}{31}\%$

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 59.90% Wrong: 25.98%

Q61) The price of a mobile phone was ₹18,000 last year. It has increased by $15\frac{3}{4}\%$ this year. What is the current price of the mobile phone?

A) ₹20,000 **B)** ₹19,450 **C)** ₹18,880 **D)** ₹20,835

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 62.35% Wrong: 26.75%

Q62) The salary of a worker is first increased by 8% and then it is decreased by 8%. What is the percentage change in his salary?

A) 0.81% **B)** 0.25% **C)** 0.49% **D)** 0.64%

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 64.97% Wrong: 26.79%

Q63) A man's monthly salary increased from ₹42,000 to ₹57,000. What is the percentage (rounded off to 1 decimal place) increase in his monthly salary?

A) 35.7% **B)** 55.7% **C)** 37.5% **D)** 57.5%

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 65.67% Wrong: 25.66%

Q64) There are 1224 employees in an organisation, out of which 25% are promoted. How many such employees are there who got promotion?

A) 312 **B)** 306 **C)** 308 **D)** 310

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 66.16% Wrong: 24.06%

Q65) The price of a computer is ₹22,200. What will be the price of the computer after reduction of 25%?

A) ₹16,550 **B)** ₹16,750 **C)** ₹16,650 **D)** ₹16,450

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.51% Wrong: 25.74%

Q66) A's and B's salaries are respectively 40% and 70% rupees more than C's salary. What is the ratio of B's salary to A's salary?

A) 17 : 14 **B)** 18 : 13 **C)** 9 : 5 **D)** 23 : 20

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 66.83% Wrong: 24.73%

Q67) If 4% of x = 132, then x is equal to:

A) 6700 **B)** 3300 **C)** 3400 **D)** 6600

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 72.43% Wrong: 19.43%

Q68) If 2% of x = 312, then x is equal to:

A) 15600 **B)** 31200 **C)** 31300 **D)** 15700

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 73.61% Wrong: 18.16%

Q69) If 2% of x = 264, then x is equal to:

A) 26400 **B)** 13300 **C)** 13200 **D)** 26500

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 74.17% Wrong: 18.35%

Q70) If 2% of x = 252, then x is equal to:

A) 12600 **B)** 25300 **C)** 12700 **D)** 25200

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 74.44% Wrong: 19.57%

Q71) If 2% of x = 336, then x is equal to:

A) 16900 **B)** 33600 **C)** 16800 **D)** 33700

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 74.57% Wrong: 18.47%

Q72) If 2% of x = 324, then x is equal to:

A) 16200 **B)** 32400 **C)** 16300 **D)** 32500

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 74.61% Wrong: 16.84%

Q73) If 2% of x = 276, then x is equal to:

A) 13900 **B)** 13800 **C)** 27600 **D)** 27700

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 74.84% Wrong: 17.69%

Q74) If 2% of x = 240, then x is equal to:

A) 12000 **B)** 24100 **C)** 12100 **D)** 24000

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 75.05% Wrong: 19.53%

Q75) If 2% of x = 348, then x is equal to:

A) 17400 **B)** 34900 **C)** 17500 **D)** 34800

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 75.08% Wrong: 17.35%

Q76) If 2% of x = 360, then x is equal to:

A) 36100 **B)** 36000 **C)** 18000 **D)** 18100

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 75.95% Wrong: 17.92%

Q77) If 2% of x = 288, then x is equal to:

A) 14400 **B)** 28800 **C)** 14500 **D)** 28900

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 75.97% Wrong: 17.21%

Q78) If 4% of x = 108, then x is equal to:

A) 2700 **B)** 5500 **C)** 5400 **D)** 2800

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 76.06% Wrong: 17.44%

Q79) If 4% of x = 120, then x is equal to:

A) 3100 **B)** 3000 **C)** 6100 **D)** 6000

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 76.50% Wrong: 16.83%

Q80) If 4% of x = 24, then x is equal to:

A) 700 **B)** 600 **C)** 1200 **D)** 1300

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 77.42% Wrong: 15.68%

Q81) If 4% of x = 60, then x is equal to:

A) 3000 **B)** 1600 **C)** 1500 **D)** 3100

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 77.59% Wrong: 15.96%

Q82) If 4% of x = 96, then x is equal to:

A) 4800 **B)** 2400 **C)** 4900 **D)** 2500

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 78.14% Wrong: 14.75%

Q83) If 4% of x = 72, then x is equal to:

A) 1900 **B)** 3700 **C)** 1800 **D)** 3600

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 78.39% Wrong: 14.13%

Q84) If 2% of x = 300, then x is equal to:

A) 15000 **B)** 30100 **C)** 15100 **D)** 30000

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 79.82% Wrong: 15.06%

Q85) If 4% of x = 36, then x is equal to:

A) 900 **B)** 1000 **C)** 1800 **D)** 1900

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 80.93% Wrong: 14.62%

Q86) If 4% of x = 48, then x is equal to:

A) 2400 **B)** 2500 **C)** 1300 **D)** 1200

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 81.34% Wrong: 12.52%

Answer Key (Q1 to Q86) Percentage

Q1: 3	Q2: 3	Q3: 3	Q4: 3	Q5: 3
Q6: 2	Q7: 4	Q8: 1	Q9: 3	Q10: 2
Q11: 2	Q12: 3	Q13: 1	Q14: 3	Q15: 1
Q16: 4	Q17: 1	Q18: 1	Q19: 3	Q20: 2
Q21: 3	Q22: 3	Q23: 1	Q24: 3	Q25: 3
Q26: 3	Q27: 4	Q28: 2	Q29: 1	Q30: 2
Q31: 3	Q32: 2	Q33: 1	Q34: 2	Q35: 1
Q36: 2	Q37: 4	Q38: 1	Q39: 1	Q40: 3
Q41: 2	Q42: 4	Q43: 1	Q44: 2	Q45: 3
Q46: 1	Q47: 1	Q48: 4	Q49: 2	Q50: 2
Q51: 1	Q52: 4	Q53: 1	Q54: 2	Q55: 2
Q56: 3	Q57: 4	Q58: 4	Q59: 4	Q60: 2
Q61: 4	Q62: 4	Q63: 1	Q64: 2	Q65: 3
Q66: 1	Q67: 2	Q68: 1	Q69: 3	Q70: 1
Q71: 3	Q72: 1	Q73: 2	Q74: 1	Q75: 1
Q76: 3	Q77: 1	Q78: 1	Q79: 2	Q80: 2
Q81: 3	Q82: 2	Q83: 3	Q84: 1	Q85: 1
Q86: 4				

Distance, Time, and Speed

Q1) In a circular race of 1500 m, A and B start running simultaneously at a speed of 27 km/hr and 45 km/hr from the same point and the same time. After how much time will they meet at the starting point for the first time if they are running in the opposite direction?

A) 10 min **B)** 45 min **C)** 35 min **D)** 50 min

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 18.10% Wrong: 58.12%

Q2) There are three persons M,N And P. They are running in the same direction around a circular track of length 150 m. Their speeds are 20 m/sec,15 m/sec and 12 m/sec, respectively. If they start at same time and same point, then after what time do they meet for the first time?

A) 15 sec **B)** 16 sec **C)** 150 sec **D)** 240 sec

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 23.45% Wrong: 55.06%

Q3) An aeroplane travels distances 1320 km, 1760 km and 2095 km at the rate of 528 km/h, 352 km/h and 419 km/h, respectively. Find the average speed (in km/h) of the aeroplane.

A) 398 **B)** 497 **C)** 452 **D)** 414

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 27.73% Wrong: 44.14%

Q4) In a circular race of 800 m length, Ram and Mohan start at speeds of 25 m/sec and 40 m/sec, respectively, at the same time from the same point. After how much time will they meet for the first time at the starting point, when running in the same direction?

A) 136 seconds **B)** 120 seconds **C)** 152 seconds **D)** 160 seconds

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 28.34% Wrong: 47.09%

Q5) Three persons step out together for a walk. Their steps measure 90 cm, 95 cm and 75 cm, respectively. What is the minimum distance (in m) each should walk so that they can cover the distance in complete step?

A) 85.05 **B)** 87.06 **C)** 87.6 **D)** 85.5

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 31.65% Wrong: 44.99%

Q6) In a race, there are 100 bikes, consisting of yellow and green bikes. The average speed of all the bikes is 35 km/hr. The average speed of the yellow bikes is 55 km/hr, and the average speed of the green bikes is 30 km/hr. How many of the bikes are green?

A) 50 **B)** 80 **C)** 65 **D)** 70

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 32.09% Wrong: 43.25%

Q7) Zakir travels from City A to City B. If Zakir drives his car at $\frac{2}{3}$ of his normal speed, then he reaches City B 10 minutes late. Find the time (in minutes) that Zakir would have taken to travel from City A to City B if he drove at his normal speed.

A) 20 **B)** 30 **C)** 26 **D)** 24

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 32.86% Wrong: 46.48%

Q8) A car covers four successive 8 km distances at speeds of 12 km/hr, 18 km/hr, 24 km/hr and 36 km/hr, respectively. Its average speed (in km/hr) over this distance is:

A) 19.2 **B)** 20 **C)** 18 **D)** 22.5

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 33.77% Wrong: 47.61%

Q9) A bus covers a distance of 30 km in 45 minutes and further it covers double the distance covered earlier in 60 minutes. The average speed of the bus is _____ km/hr (rounded off to two decimal places).

A) 51.43 **B)** 55.41 **C)** 54.31 **D)** 53.14

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 35.30% Wrong: 41.54%

Q10) Ravi decided to cover a distance of 24 km in 2 hours 24 minutes. Further he decided to cover the initial one-third of the total distance at 8 km/hr and the remaining at some different speed. What is the speed (in km/hr) of Ravi after one-third distance is covered?

A) $11\frac{3}{7}$ **B)** 12 **C)** $12\frac{3}{7}$ **D)** 11

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 35.35% Wrong: 38.96%

Q11) A bus goes from city P to Q in 45 minutes, covering a distance of 60 km, and comes back to city P with a speed of 40 km/hr. The average speed of the bus in the journey is _____ km/hr (correct to two decimal places).

A) 56.67 **B)** 53.67 **C)** 56.33 **D)** 53.33

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 38.79% Wrong: 38.79%

Q12) P can complete a round of circular track in 1 minute and 30 seconds while Q can complete a round in 45 seconds. If they start moving from the same point and move in opposite directions, then they meet after _____ seconds.

A) 35 **B)** 40 **C)** 30 **D)** 25

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 39.86% Wrong: 40.21%

Q13) A car covers a distance of 30 km and 250 metres in 25 minutes. The speed of the car in km per hour is _____.

A) 76.2 **B)** 67.2 **C)** 72.6 **D)** 62.7

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 39.93% Wrong: 41.00%

Q14) Three-fifth of a journey is covered at a speed of 84 km/hr, and the remaining distance is covered at the rate of 56 km/hr. The average speed for the whole journey (in km/hr) is:

A) 70 **B)** 55 **C)** 65 **D)** 60

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.21% Wrong: 38.18%

Q15) Three-eighth of a journey is covered at a speed of 60 km/hr, and the remaining distance is covered at the rate of 40 km/hr. The average speed for the whole journey (in km/hr, rounded off to the nearest integer) is:

A) 38 **B)** 46 **C)** 33 **D)** 50

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.26% Wrong: 36.83%

Q16) A car travels four consecutive distances of 2 km each at speeds of 10 km/hr, 20 km/hr, 30 km/hr, and 40 km/hr, respectively. What is the average speed of the car (in km/hr) over this total distance?

A) 21.2 **B)** 18.3 **C)** 19.2 **D)** 17.36

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 41.32% Wrong: 39.80%

Q17) Manoj travels from City A to City B. If Manoj drives his car at $\frac{1}{5}$ of his normal speed, then he reaches City B 36 minutes late. Find the time (in minutes) that Manoj would have taken to travel from City A to City B if he drove at his normal speed.

A) 18 **B)** 14 **C)** 7 **D)** 9

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 42.53% Wrong: 35.94%

Q18) Tirupati travels 120 km at the speed of 48 km/hr and another 180 km at the speed 45 km/hr. What is Tirupati's average speed (in km/hr) during the entire journey? (correct up to two decimal places)

A) 46.15 **B)** 46.51 **C)** 45.51 **D)** 47.15

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 44.38% Wrong: 36.66%

Q19) Zakir travels from City A to City B. If Zakir drives his car at $\frac{3}{8}$ of his normal speed, then he reaches City B 45 minutes late. Find the time (in minutes) that Zakir would have taken to travel from City A to City B if he drove at his normal speed.

A) 25 **B)** 18 **C)** 34 **D)** 27

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.20% Wrong: 33.50%

Q20) A man travels at 50 km/hr for 2 hours, the next at 40 km/hr for 2.5 hours and the next at 60 km/hr for 3 hours. What is his average speed (in km/hr, rounded off to two decimal places) for the whole journey?

A) 50.67 **B)** 48.33 **C)** 46.67 **D)** 53.33

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.29% Wrong: 36.93%

Q21) The distance from Chandigarh to Amritsar is covered in 4.5 hours at a speed of 50 km/hr. By how much should the speed (in km/hr) be increased to save 30 minutes of travel time?

A) 6.75 **B)** 6 **C)** 6.5 **D)** 6.25

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.52% Wrong: 34.36%

Q22) Chetan travels from City A to City B. If Chetan drives his car at $\frac{3}{4}$ of his normal speed, then he reaches City B 33 minutes late. Find the time (in minutes) that Chetan would have taken to travel from City A to City B if he drove at his normal speed.

A) 97 **B)** 100 **C)** 99 **D)** 93

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 46.51% Wrong: 28.37%

Q23) Ravi travels from City A to City B. If Ravi drives his car at $\frac{2}{3}$ of his normal speed, then he reaches City B 47 minutes late. Find the time (in minutes) that Ravi would have taken to travel from City A to City B if he drove at his normal speed.

A) 100 **B)** 94 **C)** 84 **D)** 102

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 46.78% Wrong: 29.72%

Q24) Two cyclists, M and N, start from the same point on a 1500 m circular track, cycling in opposite directions. M cycles at 18 km/hr and N at 22 km/hr. How long (in seconds) will it take for them to meet?

A) 132 **B)** 127 **C)** 130 **D)** 135

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 47.17% Wrong: 34.19%

Q25) In a circular race of 500 m, A and B start from the same point and at the same time at speeds of 36 km/hr and 45 km/hr in the same direction. After how long will they meet again for the first time on the track?

A) 320 sec **B)** 240 sec **C)** 200 sec **D)** 250 sec

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 47.83% Wrong: 37.58%

Q26) Hari travels from City A to City B. If Hari drives his car at $\frac{1}{8}$ of his normal speed, then he reaches City B 21 minutes late. Find the time (in minutes) that Hari would have taken to travel from City A to City B if he drove at his normal speed.

A) 1 **B)** 3 **C)** 7 **D)** 11

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 48.12% Wrong: 33.25%

Q27) A person drives 60 km at a speed of 30 km/hr, then 30 km at 60 km/hr, and finally 45 km at 90 km/hr. What is the average speed (in km/hr) for the entire trip?

A) 50 **B)** 42.5 **C)** 45 **D)** 47.5

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 48.64% Wrong: 36.84%

Q28) A car runs for one hour with a speed 60 km per hour, for 2 hours with a speed 70 km per hour and for 5 hours with a speed 50 km per hour. What is the average speed of the car in km per hour?

A) 56.25 **B)** 53.33 **C)** 55.62 **D)** 52.65

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 48.74% Wrong: 34.45%

Q29) Ayush starts his journey from Chandigarh to Ludhiana with his car at a speed of 77 km/hr and returns at a speed of 63 km/hr. If the distance between Chandigarh and Ludhiana is 97 km, then what is the average speed (in km/hr) of Ayush during his whole journey?

A) 69 **B)** 68.2 **C)** 68 **D)** 69.3

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 49.10% Wrong: 31.41%

Q30) Bhanu travels from City A to City B. If Bhanu drives his car at $\frac{1}{4}$ of his normal speed, then he reaches City B 51 minutes late. Find the time (in minutes) that Bhanu would have taken to travel from City A to City B if he drove at his normal speed.

A) 12 **B)** 17 **C)** 20 **D)** 15

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 49.23% Wrong: 30.90%

Q31) A man plans to travel a total distance of 60 km in 6 hours, covering part of the journey on foot and the rest by bicycle. His walking speed is 6 km/hr, and his cycling speed is 12 km/hr. How much distance (in km) does he cover on foot?

A) 14 **B)** 16 **C)** 15 **D)** 12

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 49.51% Wrong: 30.81%

Q32) A gun is fired at a distance of 1.35 km from Mukul. She hears the sound after three seconds. The speed (in m/s) at which sound travels is:

A) 500 **B)** 450 **C)** 675 **D)** 525

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 49.61% Wrong: 30.21%

Q33) Zakir travels from City A to City B. If Zakir drives his car at $\frac{1}{4}$ of his normal speed, then he reaches City B 45 minutes late. Find the time (in minutes) that Zakir would have taken to travel from City A to City B if he drove at his normal speed.

A) 12 **B)** 6 **C)** 15 **D)** 16

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 50.12% Wrong: 29.86%

Q34) Four people move along the circumference of a park. They complete one round in 6 minutes, 8 minutes, 10 minutes and 14 minutes, respectively. Since they started together, after how many hours will they meet again at the starting position?

A) 18 **B)** 15 **C)** 12 **D)** 14

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 50.49% Wrong: 33.91%

Q35) Rachin travels a distance at 60 km/hr for 2 hours and 80 km at 40 km/hr. Find the average speed of Rachin (in km/hr).

A) 55 **B)** 59 **C)** 47 **D)** 50

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 51.33% Wrong: 30.74%

Q36) Suman covers a certain distance by car, driving at 22 km/hr, and he returns to the starting point, riding on a scooter at a speed of 17 km/hr. Find the average speed for the whole journey.

A) $19\frac{7}{39}$ km/hr **B)** $20\frac{7}{39}$ km/hr **C)** $17\frac{7}{39}$ km/hr **D)** $18\frac{7}{39}$ km/hr

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 53.29% Wrong: 32.72%

Q37) Manoj travels from City A to City B. If Manoj drives his car at $\frac{3}{5}$ of his normal speed, then he reaches City B 10 minutes late. Find the time (in minutes) that Manoj would have taken to travel from City A to City B if he drove at his normal speed.

A) 17 **B)** 11 **C)** 24 **D)** 15

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 54.43% Wrong: 26.97%

Q38) Bhanu travels from City A to City B. If Bhanu drives his car at $\frac{3}{7}$ of his normal speed, then he reaches City B 28 minutes late. Find the time (in minutes) that Bhanu would have taken to travel from City A to City B if he drove at his normal speed.

A) 18 **B)** 11 **C)** 21 **D)** 19

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 55.30% Wrong: 27.65%

Q39) Kamal travels from City A to City B. If Kamal drives his car at $\frac{1}{4}$ of his normal speed, then he reaches City B 54 minutes late. Find the time (in minutes) that Kamal would have taken to travel from City A to City B if he drove at his normal speed.

A) 13 **B)** 23 **C)** 10 **D)** 18

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 55.51% Wrong: 24.51%

Q40) Four runners started running simultaneously from a point on a circular track. They took 280 seconds, 350 seconds, 420 seconds and 560 seconds, respectively, to complete one round. After how much time (in seconds) do they meet at the starting point for the first time?

A) 5200 **B)** 3600 **C)** 2400 **D)** 8400

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 55.64% Wrong: 28.37%

Q41) Zakir travels from City A to City B. If Zakir drives his car at $\frac{2}{3}$ of his normal speed, then he reaches City B 45 minutes late. Find the time (in minutes) that Zakir would have taken to travel from City A to City B if he drove at his normal speed.

A) 86 **B)** 83 **C)** 90 **D)** 85

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 56.07% Wrong: 22.96%

Q42) Find the average speed of Sanjay, who covers the first 150 km in 4 hours and the next 250 km in another 4 hours.

A) 74 km/hr **B)** 45 km/hr **C)** 50 km/hr **D)** 100 km/hr

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 56.10% Wrong: 33.64%

Q43) A cyclist rides for 2 hours at 15 km/hr and then for 3 hours at 20 km/hr. What is the average speed (in km/hr) of the cyclist for the entire trip?

A) 18 **B)** 16 **C)** 20 **D)** 19

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 56.31% Wrong: 29.19%

Q44) A man goes to Ahmedabad from Kolkata at a speed of 78km/hr and returns to Kolkata at speed of 91km/hr, through same route. What is his average speed (in km/hr) of the entire journey?

A) 78 **B)** 81 **C)** 84 **D)** 85

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 56.36% Wrong: 28.90%

Q45) A person travels by a motorcycle to a place at an average speed of 60 km/h and returns at an average speed of 30 km/h. Find his average speed (in km/h) for the whole journey.

A) 40 **B)** 55 **C)** 45 **D)** 50

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 56.78% Wrong: 33.02%

Q46) A motor car goes to a place at a speed of 23 km/h and returns at a speed of 33 km/h. The average speed (in km/h) of the motor car in the entire journey is:

A) $27\frac{3}{28}$ **B)** $29\frac{3}{31}$ **C)** $28\frac{2}{13}$ **D)** $30\frac{1}{12}$

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 58.15% Wrong: 27.94%

Q47) Manish travels from City A to City B. If Manish drives his car at $\frac{1}{3}$ of his normal speed, then he reaches City B 36 minutes late. Find the time (in minutes) that Manish would have taken to travel from City A to City B if he drove at his normal speed.

A) 26 **B)** 15 **C)** 20 **D)** 18

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 58.37% Wrong: 23.24%

Q48) On a circular path of 432 m, Soham and Rohan start running from the same point and in same direction at the speed of 12 m/sec and 9 m/sec, respectively. Find the time in which they will meet for the first time.

A) 98 seconds **B)** 144 seconds **C)** 156 seconds **D)** 112 seconds

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.32% Wrong: 24.61%

Q49) A man goes to Chennai from Hyderabad at a speed of 56km/hr and returns to Hyderabad at speed of 72km/hr, through same route. What is his average speed (in km/hr) of the entire journey?

A) 60 **B)** 62 **C)** 61 **D)** 63

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 59.51% Wrong: 27.74%

Q50) A man goes to Ahmedabad from Kolkata at a speed of 9km/hr and returns to Kolkata at speed of 18km/hr, through same route. What is his average speed (in km/hr) of the entire journey?

A) 8 **B)** 12 **C)** 17 **D)** 15

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 59.77% Wrong: 26.35%

Q51) The ratio of the walking speeds of A and B is 3 : 5. If B takes 18 minutes to cover a certain distance, how much time will A take to cover the same distance?

A) 25 min **B)** 20 min **C)** 33 min **D)** 30 min

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 61.04% Wrong: 27.13%

Q52) Prakhar goes from his home to school at a speed of 24 km/hr and returns at the speed of 36 km/hr. Find the average speed for the whole journey.

A) 31.6 km/hr **B)** 28.8 km/hr **C)** 27.9 km/hr **D)** 26.3 km/hr

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 61.07% Wrong: 26.02%

Q53) Lokesh travels from City A to City B. If Lokesh drives his car at $\frac{3}{4}$ of his normal speed, then he reaches City B 24 minutes late. Find the time (in minutes) that Lokesh would have taken to travel from City A to City B if he drove at his normal speed.

A) 62 **B)** 65 **C)** 72 **D)** 70

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.75% Wrong: 20.89%

Q54) Hari travels from City A to City B. If Hari drives his car at $\frac{2}{3}$ of his normal speed, then he reaches City B 30 minutes late. Find the time (in minutes) that Hari would have taken to travel from City A to City B if he drove at his normal speed.

A) 59 **B)** 61 **C)** 60 **D)** 62

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 62.42% Wrong: 18.92%

Q55) A man goes to Chennai from Hyderabad at a speed of 24km/hr and returns to Hyderabad at speed of 40km/hr, through same route. What is his average speed (in km/hr) of the entire journey?

A) 27 **B)** 35 **C)** 31 **D)** 30

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 64.76% Wrong: 25.03%

Q56) A man goes to Jaipur from Surat at a speed of 20km/hr and returns to Surat at speed of 30km/hr, through same route. What is his average speed (in km/hr) of the entire journey?

A) 26 **B)** 24 **C)** 30 **D)** 19

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 65.47% Wrong: 23.00%

Q57) A scooterist is travelling at the speed of 42 km/h. How much distance (in km) will they travel in 90 minutes?

A) 55 **B)** 63 **C)** 60 **D)** 49

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 68.41% Wrong: 21.30%

Q58) A man goes to Mumbai from Pune at a speed of 78km/hr and returns to Pune at speed of 91km/hr, through same route. What is his average speed (in km/hr) of the entire journey?

A) 84 **B)** 89 **C)** 79 **D)** 82

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 68.87% Wrong: 19.73%

Q59) A man goes to Ahmedabad from Kolkata at a speed of 4km/hr and returns to Kolkata at speed of 12km/hr, through same route. What is his average speed (in km/hr) of the entire journey?

A) 10 **B)** 6 **C)** 9 **D)** 7

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 69.99% Wrong: 19.53%

Q60) A man goes to Jaipur from Surat at a speed of 3km/hr and returns to Surat at speed of 15km/hr, through same route. What is his average speed (in km/hr) of the entire journey?

A) 5 **B)** 8 **C)** 6 **D)** 1

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 70.36% Wrong: 21.04%

Answer Key (Q1 to Q60) Distance, Time, and Speed

Q1: 1	Q2: 3	Q3: 4	Q4: 4	Q5: 4
Q6: 2	Q7: 1	Q8: 1	Q9: 1	Q10: 1
Q11: 4	Q12: 3	Q13: 3	Q14: 1	Q15: 2
Q16: 3	Q17: 4	Q18: 1	Q19: 4	Q20: 1
Q21: 4	Q22: 3	Q23: 2	Q24: 4	Q25: 3
Q26: 2	Q27: 3	Q28: 1	Q29: 4	Q30: 2
Q31: 4	Q32: 2	Q33: 3	Q34: 4	Q35: 4
Q36: 1	Q37: 4	Q38: 3	Q39: 4	Q40: 4
Q41: 3	Q42: 3	Q43: 1	Q44: 3	Q45: 1
Q46: 1	Q47: 4	Q48: 2	Q49: 4	Q50: 2
Q51: 4	Q52: 2	Q53: 3	Q54: 3	Q55: 4
Q56: 2	Q57: 2	Q58: 1	Q59: 2	Q60: 1

Profit and Loss

Q1) 400 chickooes were bought at ₹1260 per hundred and were sold at a profit of ₹860. Find the selling price (in ₹) per dozen of chickooes.

A) 167 **B)** 177 **C)** 187 **D)** 192

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 22.04% Wrong: 47.50%

Q2) 400 pears were bought at ₹1230 per hundred and were sold at a profit of ₹980. Find the selling price (in ₹) per dozen of pears.

A) 192 **B)** 187 **C)** 167 **D)** 177

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 22.14% Wrong: 48.90%

Q3) 400 guavas were bought at ₹1240 per hundred and were sold at a profit of ₹940. Find the selling price (in ₹) per dozen of guavas.

A) 167 **B)** 192 **C)** 177 **D)** 187

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 22.96% Wrong: 49.04%

Q4) 400 mangoes were bought at ₹1220 per hundred and were sold at a profit of ₹820. Find the selling price (in ₹) per dozen of mangoes.

A) 171 **B)** 186 **C)** 161 **D)** 181

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 24.18% Wrong: 47.96%

Q5) 400 pears were bought at ₹1250 per hundred and were sold at a profit of ₹900. Find the selling price (in ₹) per dozen of pears.

A) 192 **B)** 177 **C)** 187 **D)** 167

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 25.47% Wrong: 47.63%

Q6) 400 guavas were bought at ₹1230 per hundred and were sold at a profit of ₹880. Find the selling price (in ₹) per dozen of guavas.

A) 164 **B)** 184 **C)** 174 **D)** 189

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 26.09% Wrong: 44.95%

Q7) 400 apples were bought at ₹1220 per hundred and were sold at a profit of ₹920. Find the selling price (in ₹) per dozen of apples.

A) 184 **B)** 164 **C)** 174 **D)** 189

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 26.46% Wrong: 49.64%

Q8) 400 mangoes were bought at ₹1210 per hundred and were sold at a profit of ₹960. Find the selling price (in ₹) per dozen of mangoes.

A) 164 **B)** 174 **C)** 184 **D)** 189

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 26.88% Wrong: 46.65%

Q9) 400 chickooes were bought at ₹1250 per hundred and were sold at a profit of ₹800. Find the selling price (in ₹) per dozen of chickooes.

A) 174 **B)** 189 **C)** 184 **D)** 164

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 27.12% Wrong: 44.92%

Q10) 400 apples were bought at ₹1210 per hundred and were sold at a profit of ₹860. Find the selling price (in ₹) per dozen of apples.

A) 181 **B)** 161 **C)** 171 **D)** 186

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 27.18% Wrong: 45.35%

Q11) 400 pears were bought at ₹1200 per hundred and were sold at a profit of ₹1000. Find the selling price (in ₹) per dozen of pears.

A) 189 **B)** 184 **C)** 174 **D)** 164

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 29.01% Wrong: 45.69%

Q12) 400 apples were bought at ₹1240 per hundred and were sold at a profit of ₹840. Find the selling price (in ₹) per dozen of apples.

A) 184 **B)** 189 **C)** 174 **D)** 164

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 29.53% Wrong: 43.75%

Q13) 100 guavas were bought at ₹1210 per hundred and were sold at a profit of ₹965. Find the selling price (in ₹) per dozen of guavas.

A) 256 **B)** 266 **C)** 261 **D)** 271

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 30.64% Wrong: 44.98%

Q14) 400 custard apples were bought at ₹1200 per hundred and were sold at a profit of ₹900. Find the selling price (in ₹) per dozen of custard apples.

A) 171 **B)** 181 **C)** 161 **D)** 186

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 31.84% Wrong: 43.71%

Q15) A salesman offers a discount scheme of 'Buy 25 and get 5 free' on the purchase of notebooks in his shop. He professes that a notebook costs him ₹10, but in reality, it costs him ₹5. Find the difference between his profit percentage and scheme discount.

A) 42% **B)** 48% **C)** 50% **D)** 56%

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 32.35% Wrong: 38.08%

Q16) 15 mangoes are bought for ₹250, and 9 mangoes are bought for ₹200. If all the mangoes are sold at ₹240 per dozen, then what is the profit percentage in the entire transaction (round up to two decimal places)?

A) 106.67% **B)** 6.67% **C)** 93.37% **D)** 66.67%

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 33.70% Wrong: 43.09%

Q17) A profit earned when an item is sold for ₹4,000 is ten times the loss incurred when it is sold for ₹ 2,790. At what price should the item be sold if it is desired to make a profit of 20%?

A) ₹3,075 **B)** ₹3,860 **C)** ₹3,480 **D)** ₹2,900

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 34.76% Wrong: 40.66%

Q18) 100 chickooes were bought at ₹1210 per hundred and were sold at a profit of ₹940. Find the selling price (in ₹) per dozen of chickooes.

A) 268 **B)** 258 **C)** 253 **D)** 263

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 35.15% Wrong: 42.51%

Q19) If 50 bananas be sold for ₹160 at a loss of 20%. How many bananas should he sell for ₹1,540 so as to make 10% profit?

A) 320 **B)** 300 **C)** 360 **D)** 350

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 36.66% Wrong: 42.91%

Q20) While selling 15 balls for ₹1,220, there is loss equal to the cost price of 5 balls. The cost price (in ₹) of one ball is:

A) 145 **B)** 122 **C)** 112 **D)** 120

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 37.19% Wrong: 43.32%

Q21) A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 46% less than what is written on it. Find his profit percentage.

A) $87\frac{10}{27}\%$ **B)** $85\frac{5}{27}\%$ **C)** $84\frac{5}{27}\%$ **D)** $86\frac{6}{27}\%$

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 39.50% Wrong: 35.32%

Q22) By selling an article for ₹4,824, a man gains 20%. What will be his profit percentage (rounded off to the nearest integer) if he sells it for ₹6,000?

A) 49% **B)** 53% **C)** 40% **D)** 32%

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 39.68% Wrong: 43.78%

Q23) Baban sold 150 chairs and had a gain equal to the selling price of 90 chairs. What is his profit percentage?

A) 145% **B)** 150% **C)** 155% **D)** 160%

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.21% Wrong: 50.49%

Q24) Kanchan sold 153 chairs and had a gain equal to the selling price of 78 chairs. What is his profit percentage?

A) 104% **B)** 114% **C)** 109% **D)** 99%

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 40.92% Wrong: 40.17%

Q25) 400 oranges were bought at ₹1250 per hundred and were sold at a profit of ₹1000. Find the selling price (in ₹) per dozen of oranges.

A) 180 **B)** 190 **C)** 195 **D)** 170

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 42.14% Wrong: 35.73%

Q26) Sachin sold 153 chairs and had a gain equal to the selling price of 85 chairs. What is his profit percentage?

A) 135% **B)** 125% **C)** 120% **D)** 130%

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 42.59% Wrong: 39.30%

Q27) A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 26% less than what is written on it. Find his profit percentage.

A) $37\frac{10}{37}\%$ **B)** $34\frac{5}{37}\%$ **C)** $35\frac{5}{37}\%$ **D)** $36\frac{6}{37}\%$

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 43.08% Wrong: 35.92%

Q28) 400 apples were bought at ₹1200 per hundred and were sold at a profit of ₹800. Find the selling price (in ₹) per dozen of apples.

A) 158 **B)** 168 **C)** 183 **D)** 178

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 44.01% Wrong: 30.73%

Q29) A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 37% less than what is written on it. Find his profit percentage.

A) $60\frac{92}{63}\%$ **B)** $59\frac{47}{63}\%$ **C)** $57\frac{46}{63}\%$ **D)** $58\frac{46}{63}\%$

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 44.07% Wrong: 38.65%

Q30) Mohan sold 153 chairs and had a gain equal to the selling price of 68 chairs. What is his profit percentage?

A) 80% **B)** 90% **C)** 85% **D)** 75%

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 44.63% Wrong: 39.66%

Q31) A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 39% less than what is written on it. Find his profit percentage.

A) $62\frac{57}{61}\%$ **B)** $65\frac{114}{61}\%$ **C)** $63\frac{57}{61}\%$ **D)** $64\frac{58}{61}\%$

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 44.95% Wrong: 34.98%

Q32) A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 21% less than what is written on it. Find his profit percentage.

A) $27\frac{47}{79}\%$ **B)** $26\frac{46}{79}\%$ **C)** $25\frac{46}{79}\%$ **D)** $28\frac{92}{79}\%$

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.21% Wrong: 32.71%

Q33) Ketan bought a shirt and sold it to Mahesh at a profit of 5%. Mahesh sold it to David at a loss of 24%. If David paid ₹3990, then the cost price (in ₹) of the shirt Ketan bought is

A) 5150 **B)** 4800 **C)** 5000 **D)** 4750

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 46.37% Wrong: 37.69%

Q34) Rodney sold 153 chairs and had a gain equal to the selling price of 63 chairs. What is his profit percentage?

A) 80% **B)** 75% **C)** 70% **D)** 65%

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 47.98% Wrong: 37.03%

Q35) A retailer buys 12 pairs of shoes for ₹22,400. His overhead expenses are ₹1,600. If he earns ₹28,500 from the sale of these 12 pair of shoes, determine his profit percentage.

A) 20% **B)** 17.5% **C)** 19.25% **D)** 18.75%

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 48.44% Wrong: 33.98%

Q36) Rakesh sold 154 chairs and had a gain equal to the selling price of 66 chairs. What is his profit percentage?

A) 80% **B)** 75% **C)** 70% **D)** 85%

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 48.71% Wrong: 35.71%

Q37) By selling an article for ₹20,240, a shopkeeper loses 8%. For what price (in ₹) should he sell it to make a profit of 12%?

A) 26,440 **B)** 24,640 **C)** 26,044 **D)** 24,460

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 49.09% Wrong: 35.87%

Q38) Gill sold two dogs at the same price. In one, he gets a profit of 22% and in the other, he gets a loss of 22%. What is Gill's profit or loss percentage?

A) 4.4% profit **B)** 4.84% loss **C)** 4.84% profit **D)** 4.4% loss

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 49.39% Wrong: 38.73%

Q39) A man sold an article for ₹35,400 and made a profit of 18% in the process. What would have been his profit or loss percentage, had he sold it for ₹33,000?

A) Gain 15% **B)** Loss 10% **C)** Loss 15% **D)** Gain 10%

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 49.83% Wrong: 36.76%

Q40) What percentage above the cost price of an article should be marked so as to gain 25% after allowing a discount of 20%?

A) 65.25% **B)** 36.25% **C)** 63.25% **D)** 56.25%

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 50.07% Wrong: 34.41%

Q41) Amit bought a piano and sold it to Gopal at a profit of 5%. Gopal sold it to Akshay at a loss of 25%. If Akshay paid ₹1890, then the cost price (in ₹) of the piano Amit bought is

A) 2550 **B)** 2200 **C)** 2400 **D)** 2150

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 50.16% Wrong: 34.28%

Q42) A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 24% less than what is written on it. Find his profit percentage.

A) $32\frac{12}{19}\%$ **B)** $31\frac{11}{19}\%$ **C)** $30\frac{11}{19}\%$ **D)** $33\frac{22}{19}\%$

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 51.36% Wrong: 31.08%

Q43) Mandar bought a calculator and sold it to Ketan at a profit of 5%. Ketan sold it to Tushar at a loss of 25%. If Tushar paid ₹3780, then the cost price (in ₹) of the calculator Mandar bought is

A) 4800 **B)** 4550 **C)** 4600 **D)** 4950

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 51.46% Wrong: 32.75%

Q44) By selling an article for ₹1,500, a man gains ₹150. At what price (in ₹) should he sell the article to gain 24%?

A) 1,560 **B)** 1,870 **C)** 1,493 **D)** 1,674

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 51.71% Wrong: 36.79%

Q45) A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 48% less than what is written on it. Find his profit percentage.

A) $91\frac{4}{13}\%$ **B)** $94\frac{8}{13}\%$ **C)** $93\frac{5}{13}\%$ **D)** $92\frac{4}{13}\%$

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 51.83% Wrong: 29.35%

Q46) Kanchan bought a ring and sold it to Mohan at a profit of 5%. Mohan sold it to Pramod at a loss of 25%. If Pramod paid ₹3150, then the cost price (in ₹) of the ring Kanchan bought is

A) 4000 **B)** 3750 **C)** 3800 **D)** 4150

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 52.30% Wrong: 33.46%

Q47) A shopkeeper marks a table at 40% above the cost price and gives a discount of 25%. If he still makes a profit of ₹450, what is the cost price (in ₹) of the table?

A) 8,500 **B)** 8,000 **C)** 9,500 **D)** 9,000

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 52.74% Wrong: 30.91%

Q48) A dishonest shopkeeper promises to sell his goods at cost price. However, he uses a weight that actually weighs 32% less than what is written on it. Find his profit percentage.

A) $48\frac{2}{17}\%$ **B)** $46\frac{1}{17}\%$ **C)** $47\frac{1}{17}\%$ **D)** $49\frac{2}{17}\%$

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 54.67% Wrong: 29.24%

Q49) What is the cost price of an article which is sold for ₹1,566 with 8% profit?

A) ₹1,420 **B)** ₹1,390 **C)** ₹1,450 **D)** ₹1,400

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 55.90% Wrong: 31.51%

Q50) Two televisions are sold for ₹7,980 each, gaining 5% from one and losing 5% from the other. Find the gain or loss percentage in the whole transaction.

A) 0.5% loss **B)** 0.25% loss **C)** 0.25% gain **D)** 0.5% gain

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 56.20% Wrong: 30.89%

Q51) A vendor bought 120 shirts at the rate of ₹375 per shirt and sold them for ₹48,600. What is his gain/loss percentage?

A) Gain 8% **B)** Loss 12% **C)** Loss 8% **D)** Gain 12%

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 56.68% Wrong: 31.99%

Q52) Tushar sold 150 chairs and had a gain equal to the selling price of 50 chairs. What is his profit percentage?

A) 60% **B)** 50% **C)** 55% **D)** 45%

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 57.77% Wrong: 31.90%

Q53) A man sold an article for ₹219, there by gaining 9.5%. The cost of the article (in ₹) was:

A) 239 **B)** 198 **C)** 241 **D)** 200

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 58.36% Wrong: 32.08%

Q54) If the cost price of a camera is 75% of its selling price, then the profit per cent is:

A) $33\frac{1}{3}\%$ **B)** 25% **C)** $16\frac{2}{3}\%$ **D)** 24%

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 58.59% Wrong: 33.46%

Q55) A merchant fixes the marked price of his goods at 60% above the cost price. He sells his goods at 25% discount. His percentage of profit is:

A) 25% **B)** 15% **C)** 10% **D)** 20%

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.01% Wrong: 30.61%

Q56) Ketan sold 151 chairs and had a gain equal to the selling price of 51 chairs. What is his profit percentage?

A) 56% **B)** 46% **C)** 61% **D)** 51%

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.24% Wrong: 26.71%

Q57) Rakesh sold 150 chairs and had a gain equal to the selling price of 75 chairs. What is his profit percentage?

A) 110% **B)** 95% **C)** 100% **D)** 105%

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 59.26% Wrong: 30.11%

Q58) Pramod sold 154 chairs and had a gain equal to the selling price of 54 chairs. What is his profit percentage?

A) 64% **B)** 59% **C)** 49% **D)** 54%

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 59.27% Wrong: 26.92%

Q59) A man sold an article for ₹216, there by gaining 12.5%. The cost of the article (in ₹) was:

A) 189 **B)** 243 **C)** 246 **D)** 192

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 59.46% Wrong: 30.75%

Q60) Asha bought a mixer for ₹2,160 and sold it for ₹1,998. Find the loss percentage.

A) 8.5% **B)** 7.5% **C)** 8.15% **D)** 7.85%

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 59.54% Wrong: 31.44%

Q61) Gopal sold 152 chairs and had a gain equal to the selling price of 76 chairs. What is his profit percentage?

A) 100% **B)** 105% **C)** 110% **D)** 95%

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 59.56% Wrong: 27.17%

Q62) Sachin sold 152 chairs and had a gain equal to the selling price of 52 chairs. What is his profit percentage?

A) 47% **B)** 62% **C)** 52% **D)** 57%

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 59.82% Wrong: 25.38%

Q63) A man sold an article for ₹217, there by gaining 8.5%. The cost of the article (in ₹) was:

A) 198 **B)** 238 **C)** 235 **D)** 200

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 59.89% Wrong: 29.82%

Q64) A man sold an article for ₹221, there by gaining 10.5%. The cost of the article (in ₹) was:

A) 247 **B)** 244 **C)** 200 **D)** 198

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 60.96% Wrong: 28.47%

Q65) The selling price of a fan is ₹7,392. If profit percentage is 32%, then what is the cost price (in ₹) of the fan?

A) 5,200 **B)** 5,400 **C)** 5,600 **D)** 4,800

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.12% Wrong: 28.25%

Q66) A dealer marks 20% above the cost price and allows a 20% discount. What is the profit or loss per cent?

A) Loss of 4% **B)** Profit of 1% **C)** Loss of 1% **D)** Profit of 4%

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 61.20% Wrong: 30.38%

Q67) The marked price of an article is 30% above the cost price, and the article is sold at 10% less than the marked price. The profit percentage is:

A) 15% **B)** 19% **C)** 13% **D)** 17%

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 61.75% Wrong: 28.22%

Q68) If the cost price of 28 cricket bats is the same as the selling price of 32 cricket bats, then the loss percentage is:

A) 14.3% **B)** 32% **C)** 12.5% **D)** 28%

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 61.88% Wrong: 29.16%

Q69) If the selling price of 30 toys is equal to the cost price of 50 toys, then find the gain percentage (round up to two decimal places).

A) 33.33% **B)** 83.33% **C)** 66.67% **D)** 25.55%

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 65.58% Wrong: 24.75%

Q70) Rupesh sold 153 chairs and had a gain equal to the selling price of 53 chairs. What is his profit percentage?

A) 53% **B)** 63% **C)** 58% **D)** 48%

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 65.93% Wrong: 23.01%

Q71) The cost price of a laptop is ₹78,200. If the loss percentage is 44%, then what is the selling price (in ₹) of the laptop?

A) 45,362 **B)** 40,230 **C)** 43,792 **D)** 48,200

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 66.43% Wrong: 23.64%

Q72) Rajesh bought 5 kg of apples for ₹875 and sold it for ₹220 per kg. How much is the profit gained by him?

A) ₹220 **B)** ₹215 **C)** ₹225 **D)** ₹200

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 66.92% Wrong: 21.50%

Q73) A man sold an article for ₹222, there by gaining 20%. The cost of the article (in ₹) was:

A) 266 **B)** 178 **C)** 185 **D)** 278

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 68.15% Wrong: 26.00%

Q74) A man sold an article for ₹216, there by gaining 20%. The cost of the article (in ₹) was:

A) 172 **B)** 180 **C)** 270 **D)** 260

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 69.40% Wrong: 22.38%

Q75) A person buys a ceiling fan for ₹2,200 and sells it at a loss of 35%. What is the selling price of the ceiling fan?

A) ₹1,410 **B)** ₹1,430 **C)** ₹1,420 **D)** ₹1,440

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 72.08% Wrong: 20.63%

Q76) A shopkeeper bought an article for ₹520. At what price (in ₹) should he sell the article to make 10% profit?

A) 560 **B)** 572 **C)** 468 **D)** 584

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 73.76% Wrong: 18.75%

Q77) The cost price of 12 pens is equal to the selling price of 9 pens. Find the profit percentage.

A) 21% **B)** 31% **C)** $33\frac{1}{3}\%$ **D)** $27\frac{1}{4}\%$

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 74.94% Wrong: 17.28%

Q78) The cost price of a calculator is ₹315. If the profit percentage is 20%, then what is the value (in ₹) of the profit?

A) 71 **B)** 63 **C)** 60 **D)** 68

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 76.25% Wrong: 16.52%

Q79) An article is bought for ₹5,000 and sold for ₹6,200. Find the profit percentage.

A) 20% **B)** 24% **C)** 22% **D)** 18%

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 76.55% Wrong: 18.51%

Q80) A shopkeeper bought an article for ₹520. At what price (in ₹) should he sell the article to make 30% profit?

A) 364 **B)** 688 **C)** 676 **D)** 664

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 76.58% Wrong: 16.49%

Q81) A shopkeeper bought an article for ₹500. At what price (in ₹) should he sell the article to make 22% profit?

A) 390 **B)** 598 **C)** 610 **D)** 622

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 76.95% Wrong: 16.71%

Q82) A shopkeeper bought an article for ₹500. At what price (in ₹) should he sell the article to make 28% profit?

A) 628 **B)** 652 **C)** 640 **D)** 360

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 77.59% Wrong: 14.83%

Q83) A book was purchased for ₹1,020 and sold for ₹1,224. Find the profit percentage.

A) 18% **B)** 19% **C)** 21% **D)** 20%

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 77.82% Wrong: 16.62%

Q84) A shopkeeper bought an article for ₹540. At what price (in ₹) should he sell the article to make 20% profit?

A) 648 **B)** 636 **C)** 432 **D)** 660

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 78.15% Wrong: 15.04%

Q85) A shopkeeper bought an article for ₹500. At what price (in ₹) should he sell the article to make 24% profit?

A) 632 **B)** 608 **C)** 380 **D)** 620

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 78.16% Wrong: 15.12%

Q86) A shopkeeper bought an article for ₹520. At what price (in ₹) should he sell the article to make 20% profit?

A) 612 **B)** 636 **C)** 624 **D)** 416

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 78.69% Wrong: 14.44%

Q87) A shopkeeper bought an article for ₹500. At what price (in ₹) should he sell the article to make 26% profit?

A) 618 **B)** 630 **C)** 370 **D)** 642

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 78.75% Wrong: 13.90%

Q88) A shopkeeper bought an article for ₹540. At what price (in ₹) should he sell the article to make 10% profit?

A) 606 **B)** 594 **C)** 582 **D)** 486

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 80.04% Wrong: 13.73%

Q89) A shopkeeper bought an article for ₹500. At what price (in ₹) should he sell the article to make 30% profit?

A) 650 **B)** 350 **C)** 638 **D)** 662

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 81.68% Wrong: 12.94%

Answer Key (Q1 to Q89) Profit and Loss

Q1: 2	Q2: 4	Q3: 3	Q4: 1	Q5: 2
Q6: 3	Q7: 3	Q8: 2	Q9: 1	Q10: 3
Q11: 3	Q12: 3	Q13: 3	Q14: 1	Q15: 3
Q16: 2	Q17: 3	Q18: 2	Q19: 4	Q20: 2
Q21: 2	Q22: 1	Q23: 2	Q24: 1	Q25: 1
Q26: 2	Q27: 3	Q28: 2	Q29: 4	Q30: 1
Q31: 3	Q32: 2	Q33: 3	Q34: 3	Q35: 4
Q36: 2	Q37: 2	Q38: 2	Q39: 4	Q40: 4
Q41: 3	Q42: 2	Q43: 1	Q44: 4	Q45: 4

Q46: 1	Q47: 4	Q48: 3	Q49: 3	Q50: 2
Q51: 1	Q52: 2	Q53: 4	Q54: 1	Q55: 4
Q56: 4	Q57: 3	Q58: 4	Q59: 4	Q60: 2
Q61: 1	Q62: 3	Q63: 4	Q64: 3	Q65: 3
Q66: 1	Q67: 4	Q68: 3	Q69: 3	Q70: 1
Q71: 3	Q72: 3	Q73: 3	Q74: 2	Q75: 2
Q76: 2	Q77: 3	Q78: 2	Q79: 2	Q80: 3
Q81: 3	Q82: 3	Q83: 4	Q84: 1	Q85: 4
Q86: 3	Q87: 2	Q88: 2	Q89: 1	

Problems based on Train, Boat, and Stream

Q1) The speed of a train is 65 km per hour. In 35 minutes and 15 seconds, the train will cover _____ km and _____ metres.

A) 36; 187.5 **B)** 38; 187.5 **C)** 36; 178.5 **D)** 38; 178.5

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 22.33% Wrong: 51.60%

Q2) The speed of a stream is 6 km/h. A boat can go 56 km downstream and 39 km upstream in 7 hours. What is the speed (in km/h) of the boat in still water?

A) 22 **B)** 15 **C)** 7 **D)** 13

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 24.47% Wrong: 49.19%

Q3) The speed of a stream is 9 km/h. A boat can go 56 km downstream and 28 km upstream in 7 hours. What is the speed (in km/h) of the boat in still water?

A) 16 **B)** 20 **C)** 9 **D)** 15

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 26.43% Wrong: 46.09%

Q4) If a train runs at 40 km/hr, it reaches its destination late by 10 min, but if it runs by 45 km/hr, it is late by 4 min. The correct time for the train to complete the journey is:

A) 34 min **B)** 45 min **C)** 44 min **D)** 24 min

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 27.44% Wrong: 49.06%

Q5) The speed of a stream is 4 km/h. A boat can go 20 km downstream and 14 km upstream in 3 hours. What is the speed (in km/h) of the boat in still water?

A) 12 **B)** 9 **C)** 6 **D)** 5

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 28.76% Wrong: 47.56%

Q6) Two trains are moving in opposite directions at speeds of 50 km/h and 80 km/h. The length of one train is 480 m. The time taken by them to cross each other is 28 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

A) 533.51 **B)** 530.12 **C)** 529.39 **D)** 531.11

Date: 13/02/2025 Time: 9:00 AM - 10:00 AM Right: 29.54% Wrong: 43.00%

Q7) Two trains are moving in opposite directions at speeds of 110 km/h and 140 km/h. The length of one train is 140 m. The time taken by them to cross each other is 5 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

A) 208.21 **B)** 209.67 **C)** 205.65 **D)** 207.22

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 30.60% Wrong: 42.16%

Q8) Two trains are moving in opposite directions at speeds of 60 km/h and 110 km/h. The length of one train is 360 m. The time taken by them to cross each other is 21 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

A) 632.93 **B)** 631.66 **C)** 630.92 **D)** 630.08

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 30.95% Wrong: 40.29%

Q9) The speed of a stream is 9 km/h. A boat can go 28 km downstream and 20 km upstream in 8 hours. What is the speed (in km/h) of the boat in still water?

A) 14 **B)** 9 **C)** 12 **D)** 6

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 31.00% Wrong: 44.66%

Q10) Two trains are moving in opposite directions at speeds of 80 km/h and 70 km/h. The length of one train is 180 m. The time taken by them to cross each other is 19 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

A) 614.03 **B)** 611.66 **C)** 610.21 **D)** 613.04

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 32.08% Wrong: 42.40%

Q11) Two trains are moving in opposite directions at speeds of 60 km/h and 50 km/h. The length of one train is 430 m. The time taken by them to cross each other is 44 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

A) 916.15 **B)** 914.44 **C)** 913.17 **D)** 912.67

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 32.79% Wrong: 39.22%

Q12) Two trains are moving in opposite directions at speeds of 140 km/h and 80 km/h. The length of one train is 340 m. The time taken by them to cross each other is 11 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

A) 330.83 **B)** 331.39 **C)** 332.22 **D)** 330.66

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 34.63% Wrong: 41.93%

Q13) Two trains are moving in opposite directions at speeds of 60 km/h and 70 km/h. The length of one train is 170 m. The time taken by them to cross each other is 26 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

A) 768.88 **B)** 770.75 **C)** 771.56 **D)** 769.34

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 35.81% Wrong: 40.03%

Q14) A train running at 75 km/hr crosses another train running at 30 km/hr in the same direction in 108 seconds. If the length of the fast-moving train is 950 m, then what is the length (in m) of the slow-moving train?

A) 400 **B)** 450 **C)** 350 **D)** 300

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 37.97% Wrong: 37.91%

Q15) Two trains having lengths of 110 m and 390 m are running at speeds of 120 km/h and 130 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 3 **B)** 2 **C)** 1.8 **D)** 5

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 38.59% Wrong: 45.07%

Q16) A and B are two stations 370 km apart. A train starts from station A at 9:00 A.M. and travels towards station B at a speed of 20 km/hr. Another train starts from station B at 10:00 A.M. and travels towards station A at a speed of 50 km per/hr. At what time do they meet?

A) 3:00 P.M. **B)** 2:30 P.M. **C)** 2:00 P.M. **D)** 1:00 P.M.

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 38.80% Wrong: 37.95%

Q17) Two trains having lengths of 210 m and 140 m are running at speeds of 80 km/h and 150 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 2 **B)** 0.3 **C)** 0.5 **D)** 1

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 38.82% Wrong: 42.63%

Q18) Two trains having lengths of 370 m and 330 m are running at speeds of 90 km/h and 150 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 2 **B)** 1.2 **C)** 2.5 **D)** 0.7

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 38.92% Wrong: 43.36%

Q19) Two trains travelling in opposite directions cross each other in 25 seconds. If the length of both the trains is 250 m each and the speed of one of them is 45 km/hr, what would be the speed of the other train?

A) 27 km/hr **B)** 17 km/hr **C)** 15 km/hr **D)** 24 km/hr

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 39.90% Wrong: 40.40%

Q20) Two trains having lengths of 150 m and 350 m are running at speeds of 60 km/h and 120 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 2 **B)** 1.2 **C)** 3.5 **D)** 0.5

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 40.59% Wrong: 41.96%

Q21) Two trains having lengths of 450 m and 350 m are running at speeds of 80 km/h and 110 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 2.4 **B)** 3.4 **C)** 1.6 **D)** 3

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 41.69% Wrong: 42.51%

Q22) Two trains are moving in opposite directions at speeds of 50 km/h and 110 km/h. The length of one train is 500 m. The time taken by them to cross each other is 12 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

A) 33.33 **B)** 34.58 **C)** 31.44 **D)** 32.68

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 43.37% Wrong: 30.96%

Q23) Two trains having lengths of 300 m and 200 m are running at speeds of 70 km/h and 120 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 3 **B)** 2 **C)** 3.9 **D)** 0.6

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 43.61% Wrong: 39.37%

Q24) Two trains, each 180 m long, are moving towards each other on parallel tracks at speeds of 50 km/hr and 70 km/hr. In how many seconds will they completely cross each other?

A) 10.4 **B)** 10.8 **C)** 10.2 **D)** 10.6

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 44.17% Wrong: 36.81%

Q25) Two trains having lengths of 170 m and 480 m are running at speeds of 70 km/h and 80 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 4 **B)** 4.2 **C)** 5 **D)** 3.9

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 44.43% Wrong: 35.56%

Q26) Two trains having lengths of 410 m and 440 m are running at speeds of 60 km/h and 70 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 3.4 **B)** 5 **C)** 5.1 **D)** 4

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 44.85% Wrong: 38.04%

Q27) Two trains having lengths of 210 m and 440 m are running at speeds of 60 km/h and 90 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 1.3 **B)** 2.2 **C)** 3 **D)** 1.9

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 45.91% Wrong: 38.01%

Q28) Two trains having lengths of 410 m and 390 m are running at speeds of 80 km/h and 100 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 2.6 **B)** 1.2 **C)** 2.4 **D)** 3.4

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 46.25% Wrong: 36.63%

Q29) Two trains having lengths of 240 m and 410 m are running at speeds of 80 km/h and 110 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 4 **B)** 1.5 **C)** 2 **D)** 1.3

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 46.48% Wrong: 36.23%

Q30) Two trains having lengths of 340 m and 360 m are running at speeds of 80 km/h and 90 km/h, respectively, in the same direction. The time taken (in minutes) by the faster train, coming from behind, to completely cross the other train is:

A) 7 **B)** 4.2 **C)** 3.7 **D)** 6

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 47.60% Wrong: 35.25%

Q31) Two trains of lengths 250 metres and 350 metres will cross each other in _____ seconds when moving in opposite directions with speeds 35 km per hour and 25 km per hour.

A) 30 **B)** 36 **C)** 34 **D)** 32

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 53.96% Wrong: 32.16%

Q32) Two trains, 200 m and 250 m long, are moving in the same direction at speeds of 80 km/hr and 60 km/hr, respectively. How long (in seconds) will it take for the faster train to completely pass the slower one?

A) 81 **B)** 77 **C)** 79 **D)** 75

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 54.75% Wrong: 27.91%

Q33) A train 268 m long is moving at a speed of 58 km/h. How much time will it take to cross a man coming from the opposite direction at a speed of 14 km/h?

A) 12.8 seconds **B)** 17.2 seconds **C)** 15.5 seconds **D)** 13.4 seconds

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 55.11% Wrong: 30.64%

Q34) What time (in seconds) is required for a 496 m long train to cross a 664 m long tunnel, if the train travels at a speed of 18 km/h?

A) 224 **B)** 230 **C)** 232 **D)** 236

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 58.15% Wrong: 28.45%

Q35) What time (in seconds) is required for a 398 m long train to cross a 802 m long tunnel, if the train travels at a speed of 45 km/h?

A) 103 **B)** 94 **C)** 93 **D)** 96

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 58.54% Wrong: 26.01%

Q36) A train travels the first 200 km of a journey at a speed of 100 km/h and the remaining 150 km at a speed of 75 km/h. What is the average speed (in km/h) of the train for the entire journey?

A) 92.5 **B)** 87.5 **C)** 85 **D)** 90

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 59.12% Wrong: 27.78%

Q37) A train 240 m long is running at a speed of 88 km/h. In what time will it pass a man who is running at a speed of 16 km/h in the same direction?

A) 27 seconds **B)** 12 seconds **C)** 23 seconds **D)** 9 seconds

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 61.44% Wrong: 24.20%

Q38) What time (in seconds) is required for a 238 m long train to cross a 702 m long tunnel, if the train travels at a speed of 36 km/h?

A) 94 **B)** 90 **C)** 100 **D)** 104

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 62.55% Wrong: 25.05%

Answer Key (Q1 to Q38) Problems based on Train, Boat, and Stream

Q1: 2	Q2: 2	Q3: 4	Q4: 3	Q5: 1
Q6: 4	Q7: 4	Q8: 2	Q9: 3	Q10: 2

Q11: 2	Q12: 3	Q13: 1	Q14: 1	Q15: 1
Q16: 1	Q17: 2	Q18: 4	Q19: 1	Q20: 4
Q21: 3	Q22: 1	Q23: 4	Q24: 2	Q25: 4
Q26: 3	Q27: 1	Q28: 3	Q29: 4	Q30: 2
Q31: 2	Q32: 1	Q33: 4	Q34: 3	Q35: 4
Q36: 2	Q37: 2	Q38: 1		

Mixture and Alligation

Q1) A medicine has 60% substance S and 40% substance T. If the cost price of S is increased from ₹30 to ₹40 per unit and the cost price of T is decreased to ₹20 from ₹30 per unit, then the cost of the medicine will _____ by _____%.

A) decrease; 6.67 **B)** decrease; 3.33 **C)** increase; 3.33 **D)** increase; 6.67

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 23.63% Wrong: 48.43%

Q2) A refinery produces 3 grades of gasoline: Regular (85% octane), Mid-grade (90% octane), and Premium (95% octane). If 200 barrels of Regular, 100 barrels of Mid-grade, and 100 barrels of Premium are mixed, what is the average octane rating?

A) 88.75% **B)** 88.25% **C)** 89% **D)** 88.5%

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 26.83% Wrong: 40.05%

Q3) Nivedita buys 6 kg of coffee powder for ₹2,730 per kg and another 12 kg of coffee powder for ₹1,002 per kg. What is the per kg cost (in ₹) of the mixture of 18 kg of coffee powder for her?

A) 1,612 **B)** 1,578 **C)** 1,538 **D)** 1,563

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 35.24% Wrong: 38.08%

Q4) How many kilograms of sugar at ₹3.80 per kg should be mixed with 60 kgs of sugar at ₹4.60 per kg, so that by selling the mixture at ₹5 per kg, there may be gain of 25%?

A) 160 kg **B)** 180 kg **C)** 170 kg **D)** 190 kg

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 36.03% Wrong: 34.13%

Q5) Find the ratio in which rice at ₹8.30 per kg be mixed with rice at ₹5.30 per kg to produce a mixture worth ₹6.30 per kg.

A) 2 : 1 **B)** 1 : 2 **C)** 1 : 3 **D)** 2 : 3

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 55.47% Wrong: 31.92%

Q6) In what ratio must a grocer mix two varieties of rice costing ₹165 and ₹285 per kg, respectively, to get a mixture of rice worth ₹195 per kg?

A) 7 : 4 **B)** 3 : 1 **C)** 5 : 2 **D)** 9 : 5

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 59.29% Wrong: 26.98%

Answer Key (Q1 to Q6) Mixture and Alligation

Q1: 4	Q2: 1	Q3: 2	Q4: 2	Q5: 2
Q6: 2				

Mensuration

Q1) Find the area (in cm^2) of the card board that is required to make a box of size 12 cm × 14 cm × 8 cm.

A) 736 **B)** 752 **C)** 748 **D)** 764

Date: 25/02/2025 Time: 12:00 PM - 1:00 PM Right: 24.62% Wrong: 54.94%

Q2) The curved surface area of a sphere is 9856 cm^2, find its diameter in m.

A) 2.8 **B)** 0.28 **C)** 5.6 **D)** 0.56

Date: 19/02/2025 Time: 12:00 PM - 1:00 PM Right: 25.98% Wrong: 51.41%

Q3) If the radius of a hemisphere is $13\sqrt{3}$ cm, find its curved surface area.

A) 1014π cm^2 **B)** 1044π cm^2 **C)** 1024π cm^2 **D)** 1034π cm^2

Date: 05/02/2025 Time: 3:00 PM - 4:00 PM Right: 30.10% Wrong: 45.67%

Q4) The cost of painting a spherical vessel of radius 7 cm is ₹18,480. What is the cost of painting per square centimetre? (Use $\pi = \frac{22}{7}$)

A) ₹33 **B)** ₹32 **C)** ₹30 **D)** ₹31

Date: 11/02/2025 Time: 9:00 AM - 10:00 AM Right: 30.41% Wrong: 45.27%

Q5) Find the area of a triangle, whose sides are 6 cm, 0.08 m and 4 cm.

A) $5\sqrt{15}$ cm^2 **B)** $4\sqrt{15}$ cm^2 **C)** $3\sqrt{15}$ cm^2 **D)** $6\sqrt{15}$ cm^2

Date: 17/02/2025 Time: 12:00 PM - 1:00 PM Right: 31.55% Wrong: 43.66%

Q6) A hemispherical tank has an inner diameter of 1.4 m. Find its capacity. (Take π = 22/7) (Rounded up to two decimal places)

A) 0.52 m^3 **B)** 0.72 m^3 **C)** 0.78 m^3 **D)** 0.62 m^3

Date: 21/02/2025 Time: 3:00 PM - 4:00 PM Right: 32.50% Wrong: 41.55%

Q7) A shopkeeper has one spherical laddoo of radius 7 cm. With the same material, how many laddoos of radius 3.5 cm can be made?

A) 12 **B)** 4 **C)** 8 **D)** 6

Date: 04/02/2025 Time: 12:00 PM - 1:00 PM Right: 32.72% Wrong: 45.81%

Q8) A hemispherical bowl has 3.5 cm radius. It is to be painted inside as well as outside. Find the cost of painting it at the rate of ₹15 per 10 cm^2. (Use π = 22/7.)

A) ₹431 **B)** ₹331 **C)** ₹231 **D)** ₹531

Date: 06/02/2025 Time: 9:00 AM - 10:00 AM Right: 35.44% Wrong: 34.41%

Q9) Find the volume of a hemisphere whose diameter is 7 cm. (Take π = 22/7) (Rounded up to two decimal places)

A) 89.83 cm^3 **B)** 94.83 cm^3 **C)** 99.83 cm^3 **D)** 84.83 cm^3

Date: 07/02/2025 Time: 9:00 AM - 10:00 AM Right: 37.51% Wrong: 38.81%

Q10) A cylindrical tank has a capacity of 4774 m^3. If the radius of the base is 7 m, what is the depth? $(\text{Use } \pi = \frac{22}{7})$

A) 32 m **B)** 33 m **C)** 30 m **D)** 31 m

Date: 20/02/2025 Time: 12:00 PM - 1:00 PM Right: 39.24% Wrong: 42.26%

Q11) The area of a triangle is constant. Find the percentage increase in its perpendicular height if the base of the triangle is decreased by 20%.

A) 12.5% **B)** 15% **C)** 20% **D)** 25%

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.40% Wrong: 42.22%

Q12) Find the area (in cm^2) of a triangle whose length of each side is 7 cm, 24 cm and 0.25 m.

A) 84 **B)** 72 **C)** 42 **D)** 56

Date: 18/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.51% Wrong: 37.97%

Q13) What will be the volume (V) of the cuboid, if its length is doubled, height is halved and breadth is tripled?

A) 4V **B)** 2V **C)** 6V **D)** 3V

Date: 05/02/2025 Time: 12:00 PM - 1:00 PM Right: 40.93% Wrong: 40.35%

Q14) Find the volume of a hemisphere of radius $6\sqrt{3}$ cm.

A) $452\sqrt{3}\pi$ cm^3 **B)** $442\sqrt{3}\pi$ cm^3 **C)** $432\sqrt{3}\pi$ cm^3 **D)** $462\sqrt{3}\pi$ cm^3

Date: 10/02/2025 Time: 12:00 PM - 1:00 PM Right: 41.14% Wrong: 36.86%

Q15) The height of a right circular cone is 10 cm and its base radius is 24 cm. What is the curved surface area (in cm^2) of the cone?

A) 640π **B)** 620π **C)** 624π **D)** 580π

Date: 12/02/2025 Time: 9:00 AM - 10:00 AM Right: 41.41% Wrong: 37.29%

Q16) If the curved surface area of a right circular cylinder of height 12 cm is 96 π cm^2, then its radius is:

A) 8 cm **B)** 4 cm **C)** 3 cm **D)** 6 cm

Date: 10/02/2025 Time: 9:00 AM - 10:00 AM Right: 41.46% Wrong: 43.21%

Q17) A square field has its area equal to 252 m^2. Find its perimeter.

A) 25√7 m **B)** 23√7 m **C)** 24√7 m **D)** 22√7 m

Date: 12/02/2025 Time: 3:00 PM - 4:00 PM Right: 41.73% Wrong: 38.25%

Q18) A hemispherical bowl made of brass has an inner radius 3.5 cm. Find the cost of tin plating it on the inside at the rate of ₹4 per cm^2.

A) ₹308 **B)** ₹318 **C)** ₹328 **D)** ₹348

Date: 19/02/2025 Time: 9:00 AM - 10:00 AM Right: 43.65% Wrong: 31.25%

Q19) Two cones have their heights in the ratio 4 : 3 and the radii of their bases in the ratio 1 : 2. Find the ratio of their volumes.

A) 4 : 9 **B)** 1 : 3 **C)** 2 : 9 **D)** 2 : 5

Date: 04/02/2025 Time: 9:00 AM - 10:00 AM Right: 44.04% Wrong: 37.71%

Q20) The length of a rectangle increases by 15%. Find the percentage decrease in the breadth in order to maintain the area constantly. (Rounded off to 2 decimal places)

A) 66.67% **B)** 86.96% **C)** 13.04% **D)** 23.33%

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 44.24% Wrong: 38.62%

Q21) The capacity of a cuboidal tank of water is 62000 litres. Find the breadth of the tank, if its length and depth are 2.5 m and 10 m, respectively.

A) 2.38 m **B)** 2.58 m **C)** 2.28 m **D)** 2.48 m

Date: 18/02/2025 Time: 9:00 AM - 10:00 AM Right: 44.43% Wrong: 31.92%

Q22) What will be the surface area of the sphere having 5.4 cm radius?

A) 118.64π cm^2 **B)** 115.64π cm^2 **C)** 117.64π cm^2 **D)** 116.64π cm^2

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 44.81% Wrong: 35.61%

Q23) Find the volume of a sphere whose radius is 10 cm.

(Take π = 3.141)

A) 4188 cm^3 **B)** 4238 cm^3 **C)** 4288 cm^3 **D)** 4138 cm^3

Date: 12/02/2025 Time: 12:00 PM - 1:00 PM Right: 45.59% Wrong: 33.12%

Q24) The edge of a cube is 19 cm. What is the total surface area of the cube (in cm^2)?

A) 2186 **B)** 2156 **C)** 2166 **D)** 2176

Date: 06/02/2025 Time: 3:00 PM - 4:00 PM Right: 46.10% Wrong: 35.00%

Q25) The ice compartment in a refrigerator is 36 cm deep, 16 cm high and 12 cm wide. How many ice cubes will it hold, if each cube is 4 cm as its edge?

A) 216 **B)** 54 **C)** 108 **D)** 27

Date: 17/02/2025 Time: 9:00 AM - 10:00 AM Right: 46.78% Wrong: 34.01%

Q26) The diagonals of a rhombus are 4 m and 6 m, respectively. Find its area (in m^2).

A) 9 **B)** 12 **C)** 18 **D)** 24

Date: 07/02/2025 Time: 12:00 PM - 1:00 PM Right: 48.68% Wrong: 38.08%

Q27) If the radius of a sphere is tripled, what is the ratio of the volume of the original sphere to that of the new sphere?

A) 9 : 1 **B)** 27 : 1 **C)** 1 : 27 **D)** 1 : 9

Date: 04/02/2025 Time: 3:00 PM - 4:00 PM Right: 49.15% Wrong: 37.24%

Q28) The volume of a right circular cone is 168π cm^3 and its height is 0.12 m. Find its radius.

A) √41 cm **B)** √43 cm **C)** √42 cm **D)** √47 cm

Date: 11/02/2025 Time: 12:00 PM - 1:00 PM Right: 49.26% Wrong: 27.22%

Q29) Find the total surface area of a solid hemisphere of radius 0.07 m. (Use π = 22/7)

A) 442 cm^2 **B)** 472 cm^2 **C)** 452 cm^2 **D)** 462 cm^2

Date: 13/02/2025 Time: 12:00 PM - 1:00 PM Right: 49.65% Wrong: 30.10%

Q30) The radius of a right circular cone is 3.5 cm and slant height is 0.21 m, then what is its lateral surface area? (Use $\pi = \frac{22}{7}$)

A) 231 cm^2 **B)** 241 cm^2 **C)** 221 cm^2 **D)** 251 cm^2

Date: 19/02/2025 Time: 3:00 PM - 4:00 PM Right: 49.85% Wrong: 28.23%

Q31) If the height of a cylinder is 16 cm and radius is 14 cm, what is the curved surface area (in cm^2) of it?

A) 1424 **B)** 1418 **C)** 1408 **D)** 1412

Date: 21/02/2025 Time: 12:00 PM - 1:00 PM Right: 50.00% Wrong: 32.94%

Q32) The area of a triangle is 250 cm^2. The ratio of its base to its height is 5 : 4. Find the length of its base.

A) 40 cm **B)** 50 cm **C)** 20 cm **D)** 25 cm

Date: 21/02/2025 Time: 9:00 AM - 10:00 AM Right: 50.49% Wrong: 34.34%

Q33) If the diagonal of a rhombus are 15 cm and 24 cm, then its area will be:

A) 160 cm^2 **B)** 180 cm^2 **C)** 360 cm^2 **D)** 90 cm^2

Date: 18/02/2025 Time: 3:00 PM - 4:00 PM Right: 51.49% Wrong: 37.95%

Q34) Find the volume of a cylinder with radius of base 7 cm and height 10.2 cm. (Use $\pi = \frac{22}{7}$.)

A) 1570.8 cm^3 **B)** 1573.8 cm^3 **C)** 1572.8 cm^3 **D)** 1571.8 cm^3

Date: 20/02/2025 Time: 9:00 AM - 10:00 AM Right: 52.56% Wrong: 28.94%

Q35) If the ratio of radius of the bases of two cylinders is 4 : 5 and the ratio of their heights is 5 : 2, then the ratio of their volumes is:

A) 4 : 3 **B)** 8 : 5 **C)** 5 : 3 **D)** 6 : 5

Date: 25/02/2025 Time: 3:00 PM - 4:00 PM Right: 52.86% Wrong: 30.79%

Q36) Find the curved surface area of a cylinder with radius of base 7 cm and height 9.5 cm. (Use $\pi = \frac{22}{7}$)

A) 430 cm^2 **B)** 428 cm^2 **C)** 418 cm^2 **D)** 420 cm^2

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 53.24% Wrong: 29.33%

Q37) A cube of side 9 cm made of iron is melted and recast into 8 small cubes. Find the side (in cm) of each small cube.

A) 4 **B)** 4.5 **C)** 5.5 **D)** 5

Date: 25/02/2025 Time: 9:00 AM - 10:00 AM Right: 53.61% Wrong: 25.34%

Q38) Two containers contains 765 litres and 833 litres of liquid, respectively. The maximum capacity of container that can measure the liquid of both containers is:

A) 17 litres **B)** 19 litres **C)** 21 litres **D)** 15 litres

Date: 07/02/2025 Time: 3:00 PM - 4:00 PM Right: 53.87% Wrong: 30.02%

Q39) Find the surface area (in cm^2) of a sphere whose diameter is 21 cm.

A) 1346 **B)** 1386 **C)** 1286 **D)** 1316

Date: 06/02/2025 Time: 12:00 PM - 1:00 PM Right: 55.72% Wrong: 24.99%

Q40) If the edge of a cube is tripled, then its volume increases to _____ times its original volume.

A) 64 **B)** 27 **C)** 8 **D)** 9

Date: 05/02/2025 Time: 9:00 AM - 10:00 AM Right: 55.97% Wrong: 31.51%

Q41) Find the volume (in cm^3) of a cylinder with a diameter 6 cm and height 14 cm.

A) 396 **B)** 412 **C)** 376 **D)** 388

Date: 17/02/2025 Time: 3:00 PM - 4:00 PM Right: 55.98% Wrong: 28.02%

Q42) There are four equilateral triangles with sides 95 cm, 76 cm, 57 cm and 152 cm. What maximum size scale (in cm) can measure all of them exactly?

A) 31 **B)** 27 **C)** 19 **D)** 11

Date: 20/02/2025 Time: 3:00 PM - 4:00 PM Right: 56.04% Wrong: 26.48%

Q43) What is the volume of a sphere of radius $3\sqrt{2}$ cm?

A) $73\sqrt{2}\pi\ cm^3$ **B)** $71\sqrt{2}\pi\ cm^3$ **C)** $70\sqrt{2}\pi\ cm^3$ **D)** $72\sqrt{2}\pi\ cm^3$

Date: 10/02/2025 Time: 3:00 PM - 4:00 PM Right: 57.41% Wrong: 24.08%

Q44) If the radius of a cylindrical tank is 7 m and its height is 9 m, then find the capacity of the tank (in m^3). (Use $\pi = 22/7$)

A) 1396 **B)** 1386 **C)** 1376 **D)** 1366

Date: 13/02/2025 Time: 3:00 PM - 4:00 PM Right: 58.23% Wrong: 25.82%

Q45) The perimeter of a rectangle is 26 cm and its length is 7 cm. Find its area in cm^2.

A) 32 **B)** 42 **C)** 36 **D)** 48

Date: 11/02/2025 Time: 3:00 PM - 4:00 PM Right: 61.05% Wrong: 23.89%

Answer Key (Q1 to Q45) Mensuration

Q1: 2	Q2: 4	Q3: 1	Q4: 3	Q5: 3
Q6: 2	Q7: 3	Q8: 3	Q9: 1	Q10: 4
Q11: 4	Q12: 1	Q13: 4	Q14: 3	Q15: 3
Q16: 2	Q17: 3	Q18: 1	Q19: 2	Q20: 3
Q21: 4	Q22: 4	Q23: 1	Q24: 3	Q25: 3
Q26: 2	Q27: 3	Q28: 3	Q29: 4	Q30: 1

Q31: 3	Q32: 4	Q33: 2	Q34: 1	Q35: 2
Q36: 3	Q37: 2	Q38: 1	Q39: 2	Q40: 2
Q41: 1	Q42: 3	Q43: 4	Q44: 2	Q45: 2

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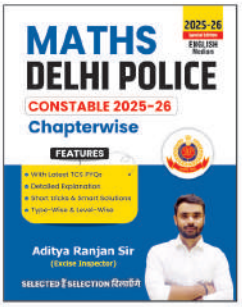

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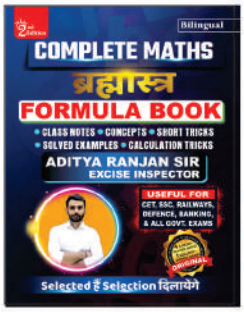

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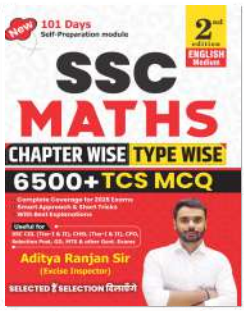

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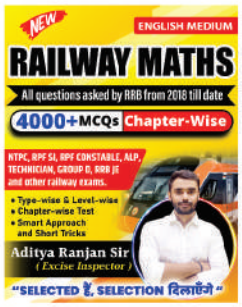

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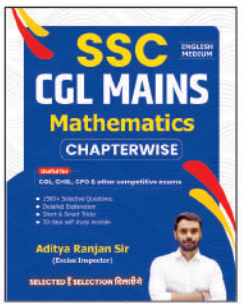

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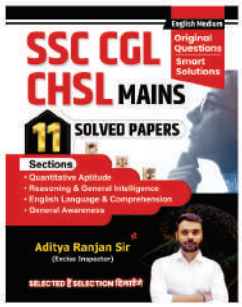

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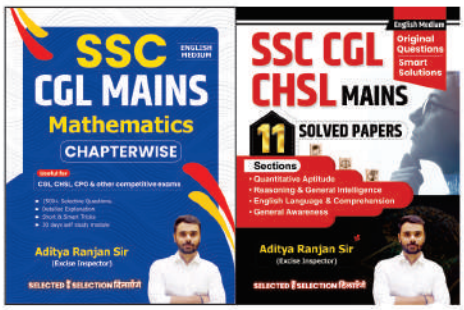

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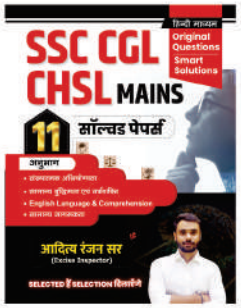

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