

Simplification for IBPS RRB PO and Clerk 2025

Direction (1-30): What value will come in place of the question mark (?) in the following question.

Q1. $\sqrt{(35\% \text{ of } 40 \times 10) + 29} = ?$

- (a) 13
- (b) 12
- (c) 15
- (d) 18
- (e) 20

Q2. $3\frac{1}{3} \times 5\frac{1}{5} \times 13\frac{11}{13} = ?$

- (a) 180
- (b) 360
- (c) 90
- (d) 240
- (e) 180

Q3. $(5\frac{1}{2} - 2\frac{1}{3}) \times 1\frac{1}{19} = 1\frac{2}{3} + ?$

- (a) $1\frac{2}{5}$
- (b) $1\frac{1}{3}$
- (c) $3\frac{2}{3}$
- (d) $2\frac{2}{3}$
- (e) $1\frac{2}{3}$

Q4. $15\% \text{ of } 240 + 30\% \text{ of } ? = 96$

- (a) 150
- (b) 120
- (c) 180
- (d) 200
- (e) 250

Q5. $30 \times \sqrt{7} + 36 \times 10 = 720 \times 2$

- (a) 36
- (b) 1286
- (c) 1225
- (d) 1296
- (e) 6



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Logos: IBPS, IB, SBI, RBI, LIC

Q6. $\frac{?}{65} \div \frac{12}{39} \times \frac{4}{5} = ? - 1$

- (a) $2\frac{2}{25}$
- (b) $2\frac{2}{3}$
- (c) 25
- (d) 24
- (e) $1\frac{1}{24}$

Q7. $4^4 \times 2^8 \div 16^3 \times 8 = 2^?$

- (a) 7
- (b) 8
- (c) 4
- (d) 12
- (e) 3

Q8. $\frac{135}{5} + \frac{126}{2} + \frac{203}{7} = ? + 5$

- (a) 110
- (b) 112
- (c) 114
- (d) 128
- (e) 127

Q9. 75% of 250 + 224.25 + ? = 1000

- (a) 1045.5
- (b) 588.25
- (c) 388.5
- (d) 445.57
- (e) 590.25

Q10. $\frac{28}{14} + 1\frac{1}{2} + 3\frac{1}{5} \times 3\frac{3}{4} = ?$

- (a) 16
- (b) $14\frac{1}{2}$
- (c) 15
- (d) $15\frac{1}{24}$
- (e) $15\frac{1}{2}$

Q11. $\frac{17.28 \div ?}{3.6 \times 0.2} = 200$

- (a) 120
- (b) 1.20
- (c) 12
- (d) 0.12
- (e) None of these

Q12. $486 \div ? \times 7392 \div 66 = 1008$

- (a) 54
- (b) 55
- (c) 52
- (d) 53
- (e) 51

Q13. $14\frac{2}{7}\% \text{ of } 4200 \div \sqrt{576} = (?)^{\frac{1}{2}}$

- (a) 125
- (b) 225
- (c) 25
- (d) 5
- (e) 625

Q14. $\frac{2}{7} \times \frac{5}{6} \times \frac{3}{8} \times ? = 90$

- (a) 1208
- (b) 1108
- (c) 1008
- (d) 1128
- (e) 1348

Q15. $(0.05 \times 6.25) \div 2.5 = ?$

- (a) 12.55
- (b) 0.125
- (c) 0.115
- (d) 1.25
- (e) None of these

Q16. $1496 \div 17 = ?\% \text{ of } 220$

- (a) 25
- (b) 40
- (c) 50
- (d) 75
- (e) None of these

Q17. $(36\% \text{ of } 180) \div 0.4 = ?$

- (a) 160
- (b) 164
- (c) 166
- (d) 162
- (e) 180

Q18. 0.08% of $55500 - 16.4 = ?$

- (a) 26.6
- (b) 28
- (c) 29.2
- (d) 30.4
- (e) 32

Q19. 35% of $150 \times 16 = ? - 22$

- (a) 865
- (b) 932
- (c) 864
- (d) 862
- (e) None of these

Q20. $(3080 + 6160) \div ? = 330$

- (a) 26
- (b) 22
- (c) 28
- (d) 29
- (e) 18

Q21. $280 \div 4 \div 2 = 170 - ?$

- (a) 105
- (b) 115
- (c) 125
- (d) 135
- (e) 145

Q22. $(\sqrt{144} + \sqrt{169}) \times 3 = \frac{?}{5}$

- (a) 375
- (b) 325
- (c) 350
- (d) 275
- (e) 475

Q23. $(12 \times 5 \div 4) \times 8 = ?$

- (a) 100
- (b) 140
- (c) 120
- (d) 80
- (e) 90

Q24. $(120\% \text{ of } 750) \div ? = 25$

- (a) 30
- (b) 36
- (c) 24
- (d) 18
- (e) 48

Q25. $8\frac{1}{2} - 4\frac{5}{6} = ? - 3\frac{7}{12}$

- (a) $3\frac{1}{4}$
- (b) $3\frac{5}{12}$
- (c) $2\frac{7}{12}$
- (d) $7\frac{1}{4}$
- (e) $5\frac{2}{3}$

Q26. $275 + 64\% \text{ of } 750 = 750 + ?$

- (a) 25
- (b) 8
- (c) 10
- (d) 15
- (e) 5

Q27. $\sqrt{225} + \sqrt{81} + 12^2 = ?$

- (a) 168
- (b) 164
- (c) 162
- (d) 172
- (e) 182

Q28. $\frac{510}{?} = \sqrt{324} + 3.25$

- (a) 12
- (b) 48
- (c) 24
- (d) 6
- (e) 18

Q29. $12.5\% \text{ of } (120 + ?) = 45$

- (a) 160
- (b) 180
- (c) 360
- (d) 240
- (e) 120

Q30. $572 \div 13 \times 12 - 16 = (8)^?$

- (a) 4
- (b) 2
- (c) 3
- (d) 5
- (e) None of these

Directions (31-40): What comes at the place of question (?) marks in the following questions.

Q31. $341.35 + 639.65 + 456.80 = ? + 746.80$

- (a) 491
- (b) 591
- (c) 961
- (d) 691
- (e) 791

Q32. $25.4 \times 8 + 49.7 \times 4 + ? = (22)^2$

- (a) 80
- (b) 84
- (c) 78
- (d) 82
- (e) 75

Q33. $48 + 8 \times 0.75 - 5 = ?$

- (a) 22
- (b) 36
- (c) 49
- (d) 56
- (e) 46

Q34. $18.657 - 7.549 - 4.111 - 1.630 = ?$

- (a) 4.673
- (b) 6.893
- (c) 6.562
- (d) 5.367
- (e) 6.367

Q35. $24.5 \times 12 + 61.2 \times 5 - 51\% \text{ of } 500 = ? + 150$

- (a) 125
- (b) 180
- (c) 170
- (d) 175
- (e) 195

Q36. $999 + 9.99 - 9.9 + 9.99 = ?$

- (a) 1011.98
- (b) 1009.08
- (c) 1009.68
- (d) 992.16
- (e) 897.99

Q37. $7777 \div 700 + 7777 \div 1100 - 5555 \div 500 = ?$

- (a) 9.09
- (b) 8.08
- (c) 7.07
- (d) 10.03
- (e) 6.07

Q38. $28.314 - 31.427 + 113.928 = ? + 29.114$

- (a) 81.711
- (b) 80.701
- (c) 71.711
- (d) 81.701
- (e) 80.107

Q39. $6573 \div 21 \times (0.2)^2 = ?$

- (a) 18.25
- (b) 22.6
- (c) 15.65
- (d) 12.52
- (e) 12.89

Q40. $5.25 \times 18 + 12.25 \times 8 + ? = 14^2$

- (a) 3.5
- (b) 2.5
- (c) 1.5
- (d) 4.5
- (e) 5.5

Directions (41-50): What comes at the place of question (?) marks in the following questions.

Q41. $\frac{625}{5} \times \frac{34}{8.5} \times \frac{62.5}{12.5} - \frac{?}{4} = 2000$

- (a) 1850
- (b) 2100
- (c) 2050
- (d) 1250
- (e) 2000

Q42. $4\frac{3}{8} + ? - 6\frac{7}{10} = 3\frac{19}{40}$

- (a) $5\frac{2}{5}$
- (b) $5\frac{1}{5}$
- (c) 5
- (d) $5\frac{3}{4}$
- (e) $5\frac{4}{5}$

Q43. $3\frac{2}{3}$ of $2\frac{2}{11}$ of 130 - 40% of 350 = ?

- (a) 850
- (b) 900
- (c) 960
- (d) 1000
- (e) 1050

Q44. $2\frac{1}{2} + 4\frac{3}{4} - 3\frac{2}{3} = ? - 3\frac{5}{6}$

- (a) $5\frac{3}{4}$
- (b) $6\frac{5}{12}$
- (c) $5\frac{7}{12}$
- (d) $7\frac{5}{12}$
- (e) $8\frac{4}{7}$

Q45. ? of $\frac{3}{5}$ of $\frac{4}{7}$ of $\frac{15}{16}$ of 84 = 90% of 360

- (a) 14
- (b) 12
- (c) 16
- (d) 18
- (e) 10

Q46. $3\frac{1}{2} + 6\frac{3}{5} + 4\frac{3}{6} = ? + 7\frac{4}{6}$

- (a) $6\frac{14}{15}$
- (b) $8\frac{14}{15}$
- (c) $5\frac{3}{7}$
- (d) $8\frac{5}{8}$
- (e) $9\frac{14}{15}$

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Q47. $? \times 6\frac{3}{11} \times 2\frac{9}{23} = 18\% \text{ of } 1500$

- (a) 13
- (b) 40
- (c) 25
- (d) 11
- (e) 18

Q48. $6\frac{3}{5} + 3\frac{4}{5} - 4\frac{4}{5} + ? = 8\frac{7}{10}$

- (a) -22
- (b) 19
- (c) $5\frac{1}{2}$
- (d) $3\frac{1}{10}$
- (e) $5\frac{3}{4}$

Q49. $\frac{3}{4} \text{ of } 424 + \frac{5}{6} \text{ of } 540 = \frac{6}{7} \text{ of } 343 + ?$

- (a) 744
- (b) 474
- (c) 374
- (d) 574
- (e) 478

Q50. $2\frac{1}{3} \text{ of } 4\frac{2}{7} \text{ of } 3\frac{1}{3} \text{ of } 81 = ?$

- (a) 2900
- (b) 2500
- (c) 2700
- (d) 2300
- (e) 2400

Directions (51-60): What comes at the place of question (?) marks in the following questions.

Q51. $2222 \div 22 + 4004 \div 26 + 625 \div 12.5 = ?$

- (a) 305
- (b) 385
- (c) 275
- (d) 325
- (e) 425

Q52. $777 \div 700 + 5555 \div 5000 - 3333 \div 3300 = ?$

- (a) 1.0211
- (b) 2.111
- (c) 1.211
- (d) 0.211
- (e) 2.011

Q53. $984 \div 3 \times 5 + 3861 \div 11 - \frac{4}{5}$ of 1050 =?

- (a) 1051
- (b) 1511
- (c) 1115
- (d) 1151
- (e) 951

Q54. $2346 \div 300 + 54342 \div 3000 - 432 \div 30 = ?$

- (a) 9.534
- (b) 11.534
- (c) 8.34
- (d) 12.34
- (e) 11.34

Q55. $11.2 \times 15 + 6.4 \times 7.5 = (?)^3$

- (a) 15
- (b) 21
- (c) 3
- (d) 6
- (e) 9

Q56. $\frac{318 \times 48}{12 \times ?} + 12.8 \times 5 - (3)^3 = (14)^2$

- (a) 13
- (b) 8
- (c) 9
- (d) 17
- (e) 22

Q57. $333 \div 3 + 752 \div 16 + ? = 32 \times 20$

- (a) 482
- (b) 692
- (c) 548
- (d) 456
- (e) 582

Q58. $101 \times 6 + 450 \div 15 = ? \% \text{ of } 200$

- (a) 813
- (b) 318
- (c) 418
- (d) 518
- (e) 218

Q59. $(841 \div 29) + (34 \times 5) - (23 \times 5) = ?$

- (a) 88
- (b) 81
- (c) 84
- (d) 78
- (e) 72

Q60. $90 \times 70 \div 14 + 13 - 28 = ? - 30\% \text{ of } 250$

- (a) 410
- (b) 510
- (c) 610
- (d) 710
- (e) 530

Directions (61-70): What comes at the place of question (?) marks in the following questions.

Q61. $8\% \text{ of } 125 \times ?\% \text{ of } 120 = 420$

- (a) 35
- (b) 30
- (c) 45
- (d) 40
- (e) 25

Q62. $23\% \text{ of } 600 + 33\% \text{ of } 800 = ? + 53\% \text{ of } 400$

- (a) 170
- (b) 180
- (c) 190
- (d) 210
- (e) 150

Q63. $43\% \text{ of } 500 + 250\% \text{ of } 60 = ? + 150\% \text{ of } 80$

- (a) 145
- (b) 425
- (c) 245
- (d) 345
- (e) 225

Q64. $10.8\% \text{ of } 250 + 21.6\% \text{ of } 550 = 10\% \text{ of } ?$

- (a) 1258
- (b) 1485
- (c) 1458
- (d) 1658
- (e) 1548

Q65. $56\% \text{ of } 350 + 48\% \text{ of } 550 - 15 \times 2.4 = ?$

- (a) 385
- (b) 424
- (c) 456
- (d) 362
- (e) 348

Q66. $55\% \text{ of } 540 + 33\frac{1}{3}\% \text{ of } 183 + \sqrt{?} = (19)^2$

- (a) 2
- (b) 17
- (c) 25
- (d) 5
- (e) 9

Q67. $33\% \text{ of } 600 + 44\% \text{ of } 225 = ?\% \text{ of } 500$

- (a) 56.4
- (b) 5.94
- (c) 59.4
- (d) 49.4
- (e) 69.4

Q68. $?^2 = 40\% \text{ of } 420 + 44\% \text{ of } 200$

- (a) 24
- (b) 12
- (c) 8
- (d) 16
- (e) 416

Q69. $13\% \text{ of } 400 + 17\% \text{ of } 500 = ? + 44\% \text{ of } 625$

- (a) -138
- (b) 138
- (c) -136
- (d) 136
- (e) -134

Q70. $24\% \text{ of } 125 + 48\% \text{ of } 150 = ?$

- (a) 106
- (b) 108
- (c) 104
- (d) 112
- (e) 102

Directions (71-80): What comes at the place of question (?) marks in the following questions.

Q71. $\frac{?}{25} \times \sqrt{16} - 24 \times 4 + \sqrt[3]{125} = (5)^2$

- (a) 775
- (b) 725
- (c) 750
- (d) 760
- (e) 780

Q72. $[(32)^2 + (?)^2] \div 37 = 80$

- (a) 54
- (b) 64
- (c) 44
- (d) 34
- (e) 24

Q73. $\sqrt{49\% \text{ of } ? + 28 \times 14} = 28$

- (a) 700
- (b) 800
- (c) 900
- (d) 780
- (e) 600

Q74. $\frac{15^2 + 31^2 + 15 \times 62}{11^2 + 12^2 + 11 \times 24} = (?)^2$

- (a) 7
- (b) 4
- (c) 2
- (d) 8
- (e) 10

Q75. $\frac{?}{22.4} + \sqrt{5776} = 4.7 \times 20$

- (a) 402.12
- (b) 403.2
- (c) 403.52
- (d) 404.2
- (e) 402.2

Q76. $(48 \times \sqrt{784}) - (\sqrt{?} \times 32) = 672$

- (a) 121
- (b) 961
- (c) 576
- (d) 484
- (e) 441

Q77. $\sqrt[3]{1331} + \sqrt{841} + \sqrt{1296} = ? + \sqrt[3]{1728}$

- (a) 60
- (b) 46
- (c) 64
- (d) 72
- (e) 54

Q78. $13^2 + 17^2 + 23^2 - 24^2 = ? + 6^3$

- (a) 269
- (b) 159
- (c) 195
- (d) 185
- (e) 175

Q79. $\sqrt{1024} + \sqrt{784} - \sqrt[3]{(77 + 4) \times 9} = ?$

- (a) 31
- (b) 69
- (c) 40
- (d) 51
- (e) 71

Q80. $\sqrt{289} + \sqrt{338 \times 32} = ? + \sqrt{121}$

- (a) 112
- (b) 102
- (c) 104
- (d) 108
- (e) 110

Directions (81-98): What will come in the place of question (?) mark in the following question.

Q81. $1\frac{2}{5} + 4\frac{3}{10} = ? + 4\frac{2}{5}$

- (a) $1\frac{3}{10}$
- (b) $2\frac{3}{5}$
- (c) $4\frac{3}{5}$
- (d) $5\frac{3}{5}$
- (e) $3\frac{3}{5}$

Q82. $48\% \text{ of } ? + 45\% \text{ of } 600 = 19^2 + \sqrt{841}$

- (a) 250
- (b) 150
- (c) 200
- (d) 225
- (e) 175

Q83. $? \times (12 + 10\% \text{ of } 60) = 135$

- (a) 5.5
- (b) 6.5
- (c) 4.5
- (d) 5
- (e) 7.5

Q84. $\sqrt{?} + 15 \times 18 = 3600 \div 12$

- (a) 900
- (b) 950
- (c) 850
- (d) 800
- (e) 750

Q85. $4.8 \times 5 + 8 \times 0.75 = ?$

- (a) 40
- (b) 20
- (c) 30
- (d) 50
- (e) 60

Q86. $\frac{45}{7} \times \frac{350}{9} = 10 \times ?^2$

- (a) 5
- (b) 8
- (c) 10
- (d) -5
- (e) Both (a) and (d)

Q87. $2^4 \times 250 \div 5^3 \times 25 = 32 \times 5^?$

- (a) 3
- (b) 2
- (c) 5
- (d) 1
- (e) 0

Q88. $2691 \div 13 + 9 = ?^3$

- (a) 4
- (b) 11
- (c) 6
- (d) 15
- (e) 7

Q89. $\sqrt{75} \times \sqrt{300} = ?$

- (a) $100\sqrt{3}$
- (b) 120
- (c) $75\sqrt{3}$
- (d) 140
- (e) 150

Q90. $(10)^2 + (24)^2 = 276 + ?^2$

- (a) 34
- (b) 6
- (c) 28
- (d) 12
- (e) 20

Q91. 25% of $(? + 360) = 15 \times \sqrt{100}$

- (a) 140
- (b) 300
- (c) 340
- (d) 200
- (e) 240

Q92. $\frac{20\% \text{ of } 300 + 180}{?} = 30$

- (a) 12
- (b) 4
- (c) 6
- (d) 8
- (e) 10

Q93. $5600 \div 14 - ? = \frac{42}{6} \times 50$

- (a) 60
- (b) 25
- (c) 62
- (d) 50
- (e) 30

Q94. $2^4 \times 2^? = 32 \times 64$

- (a) 6
- (b) 9
- (c) 5
- (d) 7
- (e) 3

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Q95. $\frac{32 \times 3^6}{81 \times 4^2} = \sqrt{?}$

- (a) 441
- (b) 324
- (c) 144
- (d) 529
- (e) 400

Q96. $? \times 1.4 \times 8.4 = 6.3 \times 5.6 - (4.2)^2$

- (a) 7.5
- (b) 4.5
- (c) 1.5
- (d) 0.15
- (e) 0.5

Q97. $\frac{19.65 \times 14}{3} + 108.87 - 24.57 - ? = (13)^2$

- (a) 3
- (b) 7
- (c) 5
- (d) 9
- (e) 11

Q98. $27.8 \times 6 + 38.9 \times 7 - ? = (13)^2 + \sqrt{400}$

- (a) 240.1
- (b) 250.1
- (c) 230.1
- (d) 235.1
- (e) 260.1

Solutions

S1. Ans.(a)

Sol. $\sqrt{\frac{35}{100} \times 40 \times 10 + 29} = ?$

$\sqrt{140 + 29} = ?$

$? = 13$

S2. Ans.(d)

Sol. $\frac{10}{3} \times \frac{26}{5} \times \frac{180}{13} = ?$

$? = 240$

S3. Ans.(e)

Sol. $3\frac{1}{6} \times 1\frac{1}{19} = 1\frac{2}{3} + ?$

$$\frac{19}{6} \times \frac{20}{19} = \frac{5}{3} + ?$$

$$\frac{10}{3} - \frac{5}{3} = ?$$

$$\frac{5}{3} = ?$$

$$? = 1\frac{2}{3}$$

S4. Ans.(d)

Sol. $\frac{15 \times 240}{100} + \frac{30 \times ?}{100} = 96$

$$\frac{3 \times ?}{10} = 60$$

$$? = \frac{60 \times 10}{3} = 200$$

S5. Ans.(d)

Sol. $30 \times \sqrt{?} + 360 = 1440$

$$\sqrt{?} = \frac{1080}{30}$$

$$? = 36 \times 36$$

$$? = 1296$$

S6. Ans.(e)

Sol. $\frac{?}{65} \times \frac{39}{12} \times \frac{4}{5} = ? - 1$

$$\frac{?}{25} = ? - 1$$

$$? = \frac{25}{24} = 1\frac{1}{24}$$

S7. Ans.(a)

Sol. $2^{2 \times 4} \times 2^8 \div 2^{4 \times 3} \times 2^3 = 2^?$

$$2^{8+8-12+3} = 2^?$$

$$? = 7$$

S8. Ans.(c)

Sol. $27 + 63 + 29 = ? + 5$

$$? = 114$$

S9. Ans.(b)

Sol. $\frac{75 \times 250}{100} + 224.25 + ? = 100$

$$? = 588.25$$

S10. Ans.(e)

Sol. $2 + \frac{3}{2} + \frac{16}{5} \times \frac{15}{4}$

$$2 + \frac{3}{2} + 12 = ?$$

$$15\frac{1}{2} = ?$$

S11. Ans.(d)

Sol. $17.28 \div ? = 200 \times 3.6 \times 0.2$

$$? = \frac{17.28}{144}$$

$$= 0.12$$

S12. Ans.(a)

Sol. $\frac{486}{?} \times \frac{7392}{66} = 1008$

$$\frac{486}{?} = \frac{1008}{112}$$

$$? = \frac{486}{9}$$

$$? = 54$$

S13. Ans.(e)

Sol. $\frac{100}{700} \times 4200 \times \frac{1}{24} = (?)^{\frac{1}{2}}$

$$25 = (?)^{\frac{1}{2}}$$

$$? = 625$$

S14. Ans.(c)

Sol. $? = \frac{90 \times 7 \times 8}{5} = 1008$

S15. Ans.(b)

Sol. $? = \frac{0.3125}{2.5}$

$$? = 0.125$$

S16. Ans.(b)

Sol. $\frac{1496}{17} = \frac{?}{100} \times 220$

$$? = 40$$

S17. Ans.(d)

Sol. $\frac{36}{100} \times 180 \times \frac{10}{4} = ?$

$$? = 162$$

S18. Ans.(b)

Sol. $0.08 \times 555 - 16.4 = ?$

$? = 44.4 - 16.4$

$? = 28$

S19. Ans.(d)

Sol. $\frac{35}{100} \times 150 \times 16 + 22 = ?$

$? = 840 + 22 = 862$

S20. Ans.(c)

Sol. $\frac{9240}{?} = 330$

$? = 28$

S21. Ans.(d)

$? = 170 - 35$

$? = 135$

S22. Ans.(a)

Sol. $(12 + 13) \times 3 = \frac{?}{5}$

$? = 375$

S23. Ans.(c)

Sol. $? = (3 \times 5) \times 8$

$? = 120$

S24. Ans.(b)

Sol. $\left(\frac{120}{100} \times 750\right) \div ? = 25$

$? = 900 \div 25$

$? = 36$

S25. Ans.(d)

Sol. $? = (8 - 4 + 3) + \frac{6 - 10 + 7}{12}$

$? = 7 \frac{1}{4}$

S26. Ans.(e)

Sol. $275 + \frac{64}{100} \times 750 = 750 + ?$

$275 + 480 = 750 + ?$

$? = 5$

S27. Ans.(a)

Sol. $? = 15 + 9 + 144$

$? = 168$

S28. Ans.(c)

Sol. $\frac{510}{?} = 18 + 3.25$

$? = 24$

S29. Ans.(d)

Sol. $\frac{12.5}{100} \times (120 + ?) = 45$

$120 + ? = 360$

$? = 240$

S30. Ans.(c)

Sol. $44 \times 12 - 16 = (8)^2$

$528 - 16 = (8)^2$

$? = 3$

S31. Ans.(d)

Sol. $? = 1437.8 - 746.8 = 691$

S32. Ans.(d)

Sol. $25.4 \times 8 + 49.7 \times 4 + ? = (22)^2$

$203.2 + 198.8 + ? = 484$

$? = 82$

S33. Ans.(c)

Sol. $48 + 6 - 5 = ?$

$? = 49$

S34. Ans.(d)

Sol. $? = 18.657 - 13.29$

$? = 5.367$

S35. Ans.(e)

Sol. $294 + 306 - 255 = ? + 150$

$? = 195$

S36. Ans.(b)

Sol. $? = 1018.89 - 9.9$

$? = 1009.08$

S37. Ans.(c)

$$\text{Sol. ?} = 11.11 + 7.07 - 11.11 = 7.07$$

S38. Ans.(d)

$$\text{Sol. ?} = 142.242 - 60.541$$

$$? = 81.701$$

S39. Ans.(d)

$$\text{Sol. ?} = 313 \times 0.04$$

$$? = 12.52$$

S40. Ans.(a)

$$\text{Sol. } 94.5 + 98 + ? = 196$$

$$? = 196 - 192.5$$

$$? = 3.5$$

Solutions

S41. Ans.(e)

$$\text{Sol. } 125 \times 4 \times 5 - \frac{?}{4} = 2000$$

$$2500 - 2000 = \frac{?}{4}$$

$$? = 500 \times 4$$

$$? = 2000$$

S42. Ans.(e)

$$\text{Sol. ?} = (3 - 4 + 6) + \left(\frac{19}{40} + \frac{7}{10} - \frac{3}{8}\right)$$

$$? = 5\frac{4}{5}$$

S43. Ans.(b)

$$\text{Sol. ?} = \frac{11}{3} \times \frac{24}{11} \times 130 - \frac{40}{100} \times 350$$

$$= 1040 - 140$$

$$= 900$$

S44. Ans.(d)

$$\text{Sol. ?} = (2 + 4 - 3 + 3) + \left(\frac{1}{2} + \frac{3}{4} - \frac{2}{3} + \frac{5}{6}\right)$$

$$= 6 + \frac{17}{12}$$

$$= 7\frac{5}{12}$$

S45. Ans.(b)

$$\text{Sol. ?} \times \frac{3}{5} \times \frac{4}{7} \times \frac{15}{16} \times 84 = \frac{90}{100} \times 360$$

$$? \times 27 = 36 \times 9$$

$$? = 12$$

S46. Ans.(a)

$$\begin{aligned}\text{Sol. ?} &= (3 + 6 + 4 - 7) + \left(\frac{1}{2} + \frac{3}{5} + \frac{3}{6} - \frac{4}{6}\right) \\ &= 6 + \left(\frac{1}{2} + \frac{3}{5} + \frac{1}{2} - \frac{2}{3}\right) \\ &= 7 - \frac{1}{15} \\ &= 6\frac{14}{15}\end{aligned}$$

S47. Ans.(e)

$$\begin{aligned}\text{Sol. ?} \times \frac{69}{11} \times \frac{55}{23} &= \frac{18}{100} \times 1500 \\ ? &= \frac{18 \times 1500 \times 11 \times 23}{69 \times 55 \times 100} \\ ? &= 18\end{aligned}$$

S48. Ans.(d)

$$\begin{aligned}\text{Sol. ?} &= 8 + \frac{7}{10} - 6 - \frac{3}{5} - 3 - \frac{4}{5} + 4 + \frac{4}{5} \\ &= (8 - 6 - 3 + 4) + \left(\frac{7}{10} - \frac{3}{5} - \frac{4}{5} + \frac{4}{5}\right) \\ &= (3) + \left(\frac{7-6-8+8}{10}\right) \\ &= 3\frac{1}{10}\end{aligned}$$

S49. Ans.(b)

$$\begin{aligned}\text{Sol. ?} &= 3 \times 106 + 5 \times 90 - 6 \times 49 \\ ? &= 474\end{aligned}$$

S50. Ans.(c)

$$\begin{aligned}\text{Sol. ?} &= \frac{7}{3} \times \frac{30}{7} \times \frac{10}{3} \times 81 \\ ? &= 2700\end{aligned}$$

S51. Ans.(a)

$$\begin{aligned}\text{Sol. } 101 + 154 + 50 &= ? \\ ? &= 305\end{aligned}$$

S52. Ans.(c)

$$\begin{aligned}\text{Sol. ?} &= 1.11 + 1.111 - 1.01 \\ ? &= 1.211\end{aligned}$$

S53. Ans.(d)

$$\begin{aligned}\text{Sol. ?} &= 328 \times 5 + 351 - 4 \times 210 \\ ? &= 1640 + 351 - 840 \\ ? &= 1151\end{aligned}$$

S54. Ans.(b)

Sol. $? = 7.82 + 18.114 - 14.4$

$? = 11.534$

S55. Ans.(d)

Sol. $?^3 = 11.2 \times 15 + 6.4 \times 7.5$

$?^3 = 168 + 48$

$? = \sqrt[3]{216} = 6$

S56. Ans.(e)

Sol. $\frac{55}{100} \times 540 + \frac{1}{3} \times 183 + \sqrt{?} = 361$

$\sqrt{?} = 361 - 297 - 61$

$\sqrt{?} = 3$

$? = 9$

S57. Ans.(a)

Sol. $333 \div 3 + 752 \div 16 + ? = 32 \times 20$

$111 + 47 + ? = 640$

$? = 482$

S58. Ans.(b)

Sol. $? \times 2 = 606 + 30$

$? = 636$

$? = 318$

S59. Ans.(c)

Sol. $? = 29 + 170 - 115$

$? = 84$

S60. Ans.(b)

Sol. $? = 450 + 13 - 28 + 75$

$? = 510$

S61. Ans.(a)

Sol. $\frac{8}{100} \times 125 \times \frac{?}{100} \times 120 = 420$

$? = 35$

S62. Ans.(c)

Sol. $? = 23 \times 6 + 33 \times 8 - 53 \times 4$

$= 138 + 264 - 212$

$= 190$



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S63. Ans.(c)

$$\begin{aligned}\text{Sol. ?} &= 43 \times 5 + 25 \times 6 - 15 \times 8 \\ &= 365 - 120 \\ &= 245\end{aligned}$$

S64. Ans.(c)

$$\begin{aligned}\text{Sol. } \frac{10}{100} \times ? &= \frac{10.8}{100} \times 250 + \frac{21.6}{100} \times 550 \\ \frac{?}{10} &= 27 + 118.8 \\ ? &= 1458\end{aligned}$$

S65. Ans.(b)

$$\begin{aligned}\text{Sol. } \frac{56}{100} \times 350 + \frac{48}{100} \times 550 - 15 \times 2.4 &=? \\ ? &= 196 + 264 - 36 = 424\end{aligned}$$

S66. Ans.(e)

$$\begin{aligned}\text{Sol. } \frac{55}{100} \times 540 + \frac{1}{3} \times 183 + \sqrt{?} &= 361 \\ \sqrt{?} &= 361 - 297 - 61 \\ \sqrt{?} &= 3 \\ ? &= 9\end{aligned}$$

S67. Ans.(c)

$$\begin{aligned}\text{Sol. } ? \times 5 &= \frac{33}{100} \times 600 + \frac{44}{100} \times 225 \\ &= 198 + 99 \\ \Rightarrow ? &= 59.4\end{aligned}$$

S68. Ans.(d)

$$\begin{aligned}\text{Sol. } ?^2 &= \frac{40}{100} \times 420 + \frac{44}{100} \times 200 \\ &= 168 + 88 \\ &= 256 \\ \Rightarrow ? &= \pm 16\end{aligned}$$

S69. Ans.(a)

$$\begin{aligned}\text{Sol. ?} &= 13 \times 4 + 17 \times 5 - 44 \times \frac{625}{100} \\ &= -138\end{aligned}$$

S70. Ans.(e)

$$\begin{aligned}\text{Sol. ?} &= \frac{24}{100} \times 125 + \frac{48}{100} \times 150 \\ &= \frac{10200}{100} \\ &= 102\end{aligned}$$

S71. Ans.(b)

$$\text{Sol. } \frac{(?)}{25} \times 4 - 96 + 5 = 25$$

$$? = \frac{116 \times 25}{4}$$

$$? = 29 \times 25$$

$$? = 725$$

S72. Ans.(c)

$$\text{Sol. } [1024 + ?^2] \div 37 = 80$$

$$1024 + ?^2 = 2960$$

$$?^2 = 1936$$

$$? = 44$$

S73. Ans.(b)

$$\text{Sol. } \sqrt{\frac{49}{100}} \times ? + 28 \times 14 = 28$$

$$\frac{49}{100} \times ? = 392$$

$$? = \frac{392 \times 100}{49} = 800$$

S74. Ans.(c)

$$\text{Sol. } \frac{(15+31)^2}{(11+12)^2} = (?)^2$$

$$\left[\frac{46}{23}\right]^2 = (?)^2$$

$$4 = ?^2$$

$$? = 2$$

S75. Ans.(b)

$$\text{Sol. } \frac{?}{22.4} = 94 - 76 \Rightarrow \frac{?}{22.4} = 18$$

$$\Rightarrow ? = 403.2$$

S76. Ans.(e)

$$\text{Sol. } (48 \times 28) - (\sqrt{?} \times 32) = 672$$

$$672 = (\sqrt{?} \times 32)$$

$$\sqrt{?} = 21$$

$$? = 441$$

S77. Ans.(c)

$$\text{Sol. } ? = 11 + 29 + 36 - 12 = 64$$

S78. Ans.(c)

$$\text{Sol. } ? = 169 + 289 + 529 - 576 - 216$$

$$? = 195$$

S79. Ans.(d)

Sol. $? = 32 + 28 - 9$

$? = 51$

S80. Ans.(e)

Sol. $17 + \sqrt{169 \times 2 \times 2 \times 16} = ? + 11$

$17 + 104 = ? + 11$

$110 = ?$

S81. Ans.(a)

Sol. $\frac{7}{5} + \frac{43}{10} - \frac{22}{5} = ?$

$\frac{14+43-44}{10} = ?$

$\frac{13}{10} = ?$

$1\frac{3}{10} = ?$

S82. Ans.(a)

Sol. $\frac{48}{100} \times ? + \frac{45}{100} \times 600 = 361 + 29$

$\frac{48}{100} \times ? = 390 - 270$

$? = 120 \times \frac{100}{48}$

$? = 250$

S83. Ans.(e)

Sol. $? \times \left(12 + \frac{10}{100} \times 60\right) = 135$

$? \times 18 = 135$

$? = 7.5$

S84. Ans.(a)

Sol. $\sqrt{?} = 300 - 270$

$\sqrt{?} = 30$

$? = 900$

S85. Ans.(c)

Sol. $? = 24 + 6$

$? = 30$

S86. Ans.(e)

Sol. $\frac{45}{7} \times \frac{350}{9} = 10 \times ?^2$

$5 \times 50 = 10 \times ?^2$

$? = 5, -5$

S87. Ans.(b)

Sol. $2^{4+1} \times 5^{3-3+2} = 2^5 \times 5^?$

$5^2 = 5^?$

$? = 2$

S88. Ans.(c)

Sol. $\frac{2691}{13} + 9 = ?^3$

$216 = ?^3$

$6 = ?$

S89. Ans.(e)

Sol. $5\sqrt{3} \times 10\sqrt{3} = ?$

$? = 150$

S90. Ans.(e)

Sol. $100 + 576 = 276 + ?^2$

$? = 20$

S91. Ans.(e)

Sol. $\frac{25}{100} \times (? + 360) = 150$

$? + 360 = 600$

$? = 240$

S92. Ans.(d)

Sol. $\frac{\frac{20}{100} \times 300 + 180}{?} = 30$

$\frac{240}{?} = 30$

$? = 8$

S93. Ans.(d)

Sol. $\frac{5600}{14} - ? = \frac{42}{6} \times 50$

$? = 400 - 350$

$? = 50$

S94. Ans.(d)

Sol. $2^4 \times 2^? = 2^5 \times 2^6$

$2^? = 2^{5+6-4}$

$? = 7$

S95. Ans.(b)

Sol. $\frac{32 \times 729}{81 \times 16} = \sqrt{?}$

$\sqrt{?} = 18$

$? = 324$

S96. Ans.(c)

Sol. $? \times 1.4 \times 8.4 = 6.3 \times 5.6 - 4.2^2$

$$? = \frac{6.3 \times 5.6}{1.4 \times 8.4} - \frac{4.2 \times 4.2}{1.4 \times 8.4}$$

$$? = 3 - 1.5 = 1.5$$

S97. Ans.(b)

Sol. $\frac{275.1}{3} + 84.3 - ? = 169$

$$(91.7 + 84.3) - 169 = ?$$

$$? = 7$$

S98. Ans.(b)

Sol. $166.8 + 272.3 - ? = 169 + 20$

$$? = 439.1 - 189$$

$$? = 250.1$$



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