



Simplification

Direction (1): What should come in place of question mark (?) in the following questions. Find the exact value.

- $\frac{6}{35} \times 1\frac{7}{48} \div \frac{4}{7} = ? + \frac{5}{32} \frac{1}{8}$ 1.
- **(C)** 16/39
- **(D)** 11/32
- (E) None of these

Direction (2–6): What value should come in place of question mark (?) in the following questions?

- $3^{?} \times 729 \div 243 = 3^{5} \times 81 \times 27 \div 243$ 2.
 - **(A)** 3
- **(C)** 5

- **(E)** 7
- mock test platform $? = \frac{255}{102} \times \frac{272}{204} \div \frac{85}{153}$ **3.**
 - **(A)** 7

- **(B)** 6
- **(C)** 5
- **(D)** 4

- (\mathbf{E}) 9
- (25)? = $(625) \div 125 \times 3125 \div 25$ 4.
 - **(A)** 0
- **(B)** 1
- **(C)** 3
- **(D)** 2
- **(E)** 4
- 5. 55% of 320 + 30% of $1080 = 20 \times ?$
 - **(A)** 25
- **(B)** 500
- (C) 50
- **(D)** 20
- **(E)** 15
- $\sqrt{? +27 \times 4 + 119} = 14\frac{2}{3} + 6\frac{1}{3}$ 6.
 - (A) 241
- (C) 261
- **(D)** 224
- (E) 214

- 7. What value will come in place of question mark (?) in the following question?
 - $\frac{18}{60} \times \frac{15}{108} \times ? = 19$
 - (A) 466
- **(B)** 442
- **(C)** 456
- **(D)** 470
- **(E)** 468
- 8. What value will come in place of question mark (?) in the following question?

$$\frac{18}{292} \times \frac{73}{144} \times ? = 19$$

- **(A)** 622
- **(B)** 610
- (C) 618
- **(D)** 614
- **(E)** 608
- What value will come in place of question mark (?) in the following question? $625^{0.02} \times 625^{0.73} = ?$
 - **(A)** 125
- **(B)** 1
- **(C)** 5

- **(D)** 25
- (\mathbf{E}) 625
 - 10. What value will come in place of question mark (?) in the following questions?

$$(21)^2 + (22)^2 + (24)^2 = ?$$

- (A) 1528
- **(B)** 1522
- **(C)** 1497
- **(D)** 1503
- **(E)** 1501
- 11. What value will come in place of question mark (?) in the following question?

$$\sqrt{676} + ? = 3\frac{1}{3}$$
 of 72

- **(A)** 214
- **(B)** 227
- **(C)** 223
- **(D)** 199
- **(E)** 196
- 12. What value will come in place of question mark (?) in the following question?



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- (A) 136
- **(B)** 130
- **(C)** 116
- **(D)** 120
- **(E)** 110
- 13. What value will come in place of question mark (?) in the following question?
 - of 40% of $1800 = ? \times 480$
 - (A) 1.2
- **(B)** 1.05
- (C) 0.0
- **(D)** 0.9
- **(E)** 1.8
- 14. What value will come in place of question mark (?) in the following question? $49 \times 57 - 41 \times 18 = (?)^2 \times 3 + 1380$
 - (A) 15
- **(B)** 21
- **(C)** 7
- **(D)** 3
- **(E)** 25
- 15. What value will come in place of question mark (?) in the following question? $(9^2 \times 27 + 3^3 \times 7 + ?)^{1/2} = 59$
 - **(A)** 1090
- **(B)** 1111
- **(C)** 1105
- **(D)** 1087
- **(E)** 1102

16.

- What value will come in place of question
- mark (?) in the following question?
 - $(0.064)^{123} \div 0.16^{47} \times 0.4^{34} \times 0.4^{29} = (0.4)$?
 - (A) 320
- **(B)** 341
- (C) 338
- **(D)** 350

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- **(E)** 344
- 17. What value will come in place of question mark (?) in the following question? 65% of $\sqrt{5041} + 20\%$ of 202 = ? + 241
 - (A) -114.85
- **(B)** -109.85
- (C) -123.85
- **(D)** -107.85
- (E) -118.85
- 18. What value will come in place of question mark (?) in the following questions?

$$\frac{880}{8} - 4 \times 14 + \sqrt{324} = ?$$

- **(A)** 84
- **(B)** 69
- **(C)** 81
- **(D)** 72
- (E) 66
- 19. What value will come in place of question mark (?) in the following questions?

$$(?)^2 + ? + 12^3 = 13^2 + 22^2 + 2715$$

- **(A)** 34
- **(B)** 38
- (C) 40
- **(D)** 50
- (E) 36
- mock test platform 20. What value will come in place of question mark (?) in the following question?

$$(9261)^{1/3} + \sqrt[3]{39304} + \sqrt{1024} + 113 = (2+?)^3 - 25^2 - 2550$$

- **(A)** 16
- **(B)** 15
- **(C)** 11
- **(D)** 10
- **(E)** 13