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

1. 89% of ? + 365 = 1075.22

A. 798
B. 897
C. 898
D. 752
E. 742

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

2. $\dfrac{\sqrt{625}+\sqrt{484}=?}{} - (4^3+23^2)$

A. 640
B. 660
C. 620
D. 680
E. None of these

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

3. ? × 35 + 265 = 2680

A. 79
B. 63
C. 75
D. 68
E. 69

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

4. 625 × 5 ÷ 25 − 100 + (3)^5 = ?

A. 310
B. 212
C. 268
D. 252
E. None of these

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

5. ? × 25 ÷ 6 = 1962.5

A. 541
B. 457
C. 358
D. 471
E. None of these

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

6. 26% of 750 − 17% of 460 = ?

A. 122.7
B. 114.9
C. 107.7
D. 116.8
E. 126.8

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

7. $(7)^3 \div (49)^2 \times 343 = 7^{(? - 2)}$

A. 2
B. 4
C. 3
D. 5
E. None of these

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

8. $\sqrt{(8^2) \times 7 \times (5^2) - 175} = ?$

A. 105
B. 95
C. 115
D. 125
E. None of these

Direction: What should come at the place of question mark (?) in the following question?

9. ?% of 950 + 782 = 1200

A. 54
B. 44
C. 34
D. 64
E. None of these

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

10. $(16 - 115) \div 3 = ? \div (- 4)$

A. 16
B. - 16
C. -132
D. 132
E. None of these

Direction: What should come in place of question mark (?) in the following question?

11. 24% of 3000 = ? × $(64)^{1/3}$

A. 130
B. 120
C. 180
D. 190
E. 200

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

12. $\sqrt{1024} + \sqrt{2304} + \sqrt{9216} = ? \div 4$

A. 704
B. 720
C. 680
D. 650
E. None of these

Direction: What should come in place of question mark (?) in the following question?

13. $2.5 \times 27 \div 0.75 \times 6.2 = ? \times 15$

A. 37.75
B. 36.90
C. 35.50
D. 37.20
E. 38.50

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

14. 64.5% of 800 + 36.4% of 1500 = $(?)^2 + 38$

A. 32
B. 38
C. 42
D. 48
E. 34

Direction: what will come in place of question mark (?) in the following questions?

15. $(45^2 \div 5^2) + 35\%$ of 3400 + 330 = ?

A. 1331
B. 1431
C. 1241
D. 1451
E. 1601

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

16. $567 - 4824 \div 134 = ? \times 9$

A. 33
B. 59
C. 37
D. 57
E. None of these

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

17. $4\frac{5}{6} - 5\frac{5}{9} = ? - 2\frac{1}{3} + \frac{11}{18}$

A. $\frac{3}{4}$

B. $2\frac{1}{18}$

C. $1\frac{7}{9}$

D. $1\frac{11}{18}$

E. None of these

Direction: What should come in place of question mark (?) in the following question?

18. $52000 \div 40 \div 65 \times 30 = ? - \sqrt{400}$

A. 580

B. 620
C. 720
D. 301/15
E. 480

Direction: What will come in place of the question mark (?) in the given question?

19. $\sqrt{7056} + \sqrt{3136} + \sqrt{841} = (?)^2$

A. ±13
B. ±15
C. ±14
D. ±12
E. None of these

Direction: What will come in place of the question mark (?) in the given question?

20. $165 \times 15 + 540 = (?) \times 5 + (35)^2$

A. 358
B. 362
C. 340
D. 348
E. None of these

ANSWERS

1. Ans. A.

89% of ? + 365 = 1075.22

$\Rightarrow \dfrac{89}{100} \times ? + 365 = 1075.22$

$\Rightarrow ? = \dfrac{(1075.22 - 365) \times \dfrac{100}{89}}{}$

$\Rightarrow ? = \dfrac{71022}{89}$

$\Rightarrow ? = 798$

2. Ans. A.

$\sqrt{625} + \sqrt{484} = ?$ - $(4^3 + 23^2)$

25 + 22 + (64 + 529) = ?

? = 640

3. Ans. E.

? × 35 + 265 = 2680

⇒ ? × 35 = 2680 − 265

⇒ ? × 35 = 2415

⇒ ? = 69

4. Ans. C.

625 x 5 ÷ 25 − 100 + $(3)^5$ = ?

⇒ 125 − 100 + 243 = 25 + 243 = 268 = ?

5. Ans. D.

? × 25 ÷ 6 = 1962.5

⇒ ? × 25 = 1962.5 × 6

⇒ ? × 25 = 11775

⇒ ? = 471

6. Ans. D.

26% of 750 − 17% of 460 = ?

$\Rightarrow ? = \dfrac{26}{100} \times 750 - \dfrac{17}{100} \times 460$

⇒ ? = 195 − 78.2 = 116.8

7. Ans. B.

$7^3 \div \left(7^2\right)^2 \times 7^3 = 7^{?-2}$

$\Rightarrow 7^{3-4+3} = 7^{?-2}$

$\Rightarrow ?-2 = 2$

$\Rightarrow ? = 4$

8. Ans. A.

$\sqrt{\left(8^2\right) \times 7 \times \left(5^2\right) - 175} = ?$

$\Rightarrow \sqrt{\left(64 \times 7 \times 25\right) - 175} = ?$

$\Rightarrow \sqrt{11200 - 175} = ?$

$\Rightarrow \sqrt{11025} = ?$

$\Rightarrow ? = 105$

Hence, option A is correct.

9. Ans. B.

$? \times \dfrac{950}{100} = 1200 - 782 = 418$

$\Rightarrow ? = \dfrac{418 \times 100}{950} = 44$

10. Ans. D.

$(16 - 115) \div 3 = ? \div (-4)$

$\Rightarrow (-99) \div 3 = ? \div (-4)$

$\Rightarrow (-33) = ? \div (-4)$

$\Rightarrow ? = 132$

11. Ans. C.

24% of 3000 = ? × $(64)^{1/3}$

$\Rightarrow 24 \times 30 = ? \times 4$

$\Rightarrow ? = 180$

12. Ans. A.

$\sqrt{1024} + \sqrt{2304} + \sqrt{9216} = ? \div 4$

$32 + 48 + 96 = ? \div 4$

$? = 4 \times 176 = 704$

13. Ans. D.

$2.5 \times 27 \div 0.75 \times 6.2 = ? \times 15$

$\Rightarrow \dfrac{25}{10} \times 27 \times \dfrac{100}{75} \times \dfrac{62}{10} = ? \times 15$

$\Rightarrow 9 \times 62 = ? \times 15$

$\Rightarrow 3 \times 62 = ? \times 5$

$\Rightarrow 186 = ? \times 5$

$\Rightarrow ? = 37.20$

14. Ans. A.

$\dfrac{64.5 \times 800}{100} + \dfrac{36.4 \times 1500}{100} = (?)^2 + 38$

$\Rightarrow 516 + 546 - 38 = (?)^2$

$\Rightarrow (?)^2 = 1024$

$\Rightarrow ? = \sqrt{1024} = 32$

15. Ans. E.

$? = (45^2 \div 5^2) + 35\% \text{ of } 3400 + 330$

$= \left(\dfrac{45}{5}\right)^2 + \dfrac{35}{100} \times 3400 + 330$

$= 9^2 + 35 \times 34 + 330$

$= 81 + 1190 + 330$

$= 1601$

16. Ans. B.

$567 - \dfrac{4824}{134} = ? \times 9$

$\Rightarrow 567 - 36 = ? \times 9$

$\Rightarrow ? = \dfrac{531}{9}$

$\Rightarrow ? = 59$

17. Ans. E.

$4\dfrac{5}{6} - 5\dfrac{5}{9} = ? - 2\dfrac{1}{3} + \dfrac{11}{18}$

$\Rightarrow 1 + \left(\dfrac{15-10+6-11}{18}\right) = ?$

$\Rightarrow ? = 1 + 0 = 1$

18. Ans. B.

$52000 \div 40 \div 65 \times 30 = ? - \sqrt{400}$

$(52000 \div 40) \div 65 \times 30 = ? - 20$

$(1300 \div 65) \times 30 = ? - 20$

$20 \times 30 = ? - 20$

$600 = ? - 20$

$? = 620$

19. Ans. A.

$\sqrt{7056} + \sqrt{3136} + \sqrt{841} = (?)^2$

$84 + 56 + 29 = (?)^2$

$? = \pm 13$

20. Ans. A.

$165 \times 15 + 540 = (?) \times 5 + (35)^2$

$2475 + 540 = (?) \times 5 + 1225$

$3015 - 1225 = (?) \times 5$

$(?) = 1790/5 = \textbf{358}$