1.23 × 17 + 427 – 52% of 1450 = $?^2$

a) 64 b) 58 c)8 d) 16
Correct Option: C
23 × 17 + 427 – 52% of 1450 = $?^2$

$?^2$ = 391 + 427 – 754

$?^2$ = 391 + 427 – 754

$?^2$ = 64 = 8

Hence, option C is correct.

2. 62% of 16850 + 32% of 7345 = 52% of 645 + ?
a) 10328 b) 12462 c)10358 d) 12360

62% of 16850 + 32% of 7345 = 52% of 645 + ?

10447 + 2350.40 = 335.40 + ?

? = 12462

Hence, option B is correct.

3. 3/5 of 3245 + 32% of 6250 – $(?)^2$ = 1035
a) 64 b) 62 c) 57 d) 58

1947 + 2000 – 103 = $(?)^2$

3947 – 103 = $(?)^2$

3844 = $(?)^2$

? = 62

Hence, option B is correct.

4. 23568 + 33852 + 17183 – 52549 = ?
a) 20084 b)22184 c)21084 d)22084 e) None of these

74603 – 52549 = 22054

Hence, option E is correct.

5. 1454 + 2365 + 9710 + 3020 = ?

a) 20718 b) 18121 c) 16549 d)14226

1454 + 2365 + 9710 + 3020 = ?

? = 1454 + 2365 + 9710 + 3020

? = 16549

Hence, option C is correct.

6. 67.5% of 960 + ?% of 640 = 728
a) 12.5 b) 25 c) 12 d)11

67.5% of 960 + ?% of 640 = 728

$\frac{67.5}{100} \times 960 + \frac{?}{100} \times 640 = 728$

$648 + \frac{?}{100} \times 640 = 728$

$\frac{?}{100} \times 640 = 728 - 648$

$\frac{?}{100} \times 640 = 80$

$? = 80 \times \frac{100}{640}$

? = 12.5

Hence, option A is correct.

7. 6992 ÷ 19 – ?% of 652 = – 4196
a) 700 b) 600 c) 300 d) 800
6992 ÷ 19 – ?% of 652 = – 4196

368 + 4196 = ?% of 652

?% of 652 = 4564

? = 4564 ÷ 652 × 100

? = 700

8. 13 2/3 % of 3300 + 25% of 184 = 40% of ?

a)1242.5 b)1361.5 c)1124 d)1220

$13\frac{2}{3}$ % of 3300 + 25% of 184 = 40% of ?

$\frac{41}{300} \times 3300 + \frac{1}{4} \times 184 = 41 \times 11 + 46 = 40\%$ of ?

$451 + 46 = \frac{2}{5} \times ?$

$? = 497 \times \frac{5}{2} = 1242.5$

Hence, option A is correct.

9.

$8125 \div 13 \div 2\frac{1}{2} \times 10^2 = ?$

a) 12500 b)25000 c)50000 d) 37500

$(2^{-3} + 12.5\%$ of $624) \times 4^4 = 5^3 \times ?$

$\left(\frac{1}{8} + \frac{1}{8} \times 624\right) \times 256 = 5^3 \times ?$

b)

$\frac{625}{8} \times 256 = 125 \times ?$

c)

$? = 5 \times 32 = 160$

Hence, option C is correct.

10. $(13456 - 712) \div 27^2 = ? \div 3 \div 3 \div 3 \div 2$

a) 472 b)236 c) 832 d) 944

$(13456 - 712) \div 27^2 = ? \div 3 \div 3 \div 3 \div 2$

$\frac{12744}{27 \times 27} = \frac{?}{27 \times 2}$

$? = 472 \times 2 = 944$

Hence, option D is correct.

11. $0.16 \times 55 \times 180 + ?^2 = 12^3$

a)484 b) 12 c)22 d)32

$0.16 \times 55 \times 180 + ?^2 = 12^3$

$\frac{16}{100} \times 55 \times 180 + ?^2 = 1728$

$1584 + ?^2 = 1728$

$?^2 = 1728 - 1584 = 144 = 12^2$

$? = \pm 12$

Hence, option B is correct.

12. $1.25 \times 844 + 0.5 \times 432 + ? = 2500$

a)1229 b) 1341 c) 1339 d) 1489

$1.25 \times 844 + 0.5 \times 432 + ? = 2500$

$\frac{5}{4} \times 844 + \frac{1}{2} \times 432 + ? = 2500$

$? = 2500 - (5 \times 211) - 216$

$? = 2500 - 1271 = 1229$

Hence, option A is correct.

13. 75% of $12^2 + ? = 40\%$ of 600

a)145 b)132 c) 112 d) 158

75% of $12^2 + ? = 40\%$ of 600

$\frac{3}{4} \times 144 + ? = \frac{2}{5} \times 600$

$? = 240 - 108$

$? = 132$

Hence, option B is correct.

14. 366.633 + 636.36 – 666.333 – 33.366 + 3336.33 = ?

a) 3639.624 b) 4532.224

c) 3242.332 d) 4426.634

366.633 + 636.36 – 666.333 – 33.366 + 3336.33 = ?

⇒ 3639.624 = ?

Hence, option A is correct.

15. 8200 × 67 – 32518 = ? × 90 + 12

a) 5743

b) 6587

c) 5796

d) 6425

8200 × 67 – 32518 =? × 90 + 12

⇒ 549400 – 32518 =? × 90 + 12

⇒ 516882 = ? × 90 + 12

⇒ ? × 90 = 516882 – 12

$$\Rightarrow ? = \frac{516870}{90}$$

⇒ ? = 5743

Hence, option A is correct.