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The Question Bank

## Simplification Questions for IBPS Clerk Pre, LIC Asst., SBI Clerk Pre and IBPS RRB Exams.

### Simplification Quiz 48

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

1.  $23 \times 17 + 427 - 52\% \text{ of } 1450 = ?^2$

- A. 64                      B. 58                      C. 8                      D. 16                      E. None of these

2.  $62\% \text{ of } 16850 + 32\% \text{ of } 7345 = 52\% \text{ of } 645 + ?$

- A. 10328                      B. 12462                      C. 10358                      D. 10748                      E. 12360

3.  $\frac{3}{5} \text{ of } 3245 + 32\% \text{ of } 6250 - (?)^2 = 103$

- A. 64                      B. 62                      C. 58                      D. 57                      E. None of these

4.  $23568 + 33852 + 17183 - 52549 = ?$

- A. 20084                      B. 22184                      C. 21084                      D. 22084                      E. None of these

5.  $\left(\frac{3}{9}\right)^2 \text{ of } 3267 + 72\% \text{ of } 6350 = (?)^2 - 580$

- A. 54                      B. 92                      C. 27                      D. 79                      E. None of these

6.  $\sqrt{1345 - 256} + \sqrt{3845 - 364} = ?$

- A. 90                      B. 93                      C. 97                      D. 92                      E. None of these

7.  $(0.9)^2 \times 15 + 2.64 = ? - 532 \div 28$

- A. 33.79                      B. 32.79                      C. 33.69                      D. 32.69                      E. None of these

8.  $4\frac{2}{10} + 2\frac{6}{3} - 6\frac{2}{8} = ?$

- A.  $2\frac{111}{110}$                       B.  $2\frac{120}{110}$                       C.  $1\frac{120}{114}$                       D.  $1\frac{114}{120}$                       E. None of these

9.  $4\frac{1}{6} \div 2\frac{1}{2} - 1.25 - 3\frac{1}{4} + 3.5 = ?$

- A.  $\frac{3}{2}$                       B.  $\frac{4}{3}$                       C.  $\frac{2}{3}$                       D.  $\frac{5}{3}$                       E. None of these

10. ? % of  $(17895.35 - 16764.10) = 10^2 + 9^2$

A. 15

B. 12

C. 16

D. 18

E. 20

**Correct Answers:**

1	2	3	4	5	6	7	8	9	10
C	B	B	E	D	D	A	D	C	C

**Explanations:**

1.  $23 \times 17 + 427 - 52\% \text{ of } 1450 = ?^2$

$$?^2 = 391 + 427 - 754$$

$$?^2 = 391 + 427 - 754$$

$$?^2 = 64 = 8$$

Hence, option C is correct.

2.  $62\% \text{ of } 16850 + 32\% \text{ of } 7345 = 52\% \text{ of } 645 + ?$

$$10447 + 2350.40 = 335.40 + ?$$

$$? = 12462$$

Hence, option B is correct.

3.  $1947 + 2000 - 103 = (?)^2$

$$3947 - 103 = (?)^2$$

$$3844 = (?)^2$$

$$? = 62$$

Hence, option B is correct.

4.  $74603 - 52549 = 22054$

Hence, option E is correct.

5.

$$\left(\frac{3}{9}\right) \text{ of } 3267 + 72\% \text{ of } 6350 + 580 = (?)^2$$

$$1089 + 4572 + 580 = (?)^2$$

$$(?)^2 = 6241$$

$$? = \sqrt{6241} = 79$$

Hence, option D is correct.

6.  $\sqrt{1089} + \sqrt{3481} = ?$

$$? = 33 + 59 = 92$$

Hence, option D is correct.

7.  $(0.9)^2 \times 15 + 2.64 = ? - 532 \div 28$

$$0.81 \times 15 + 2.64 = ? - 19$$

$$12.15 + 2.64 = ? - 19$$

$$? = 33.79$$

Hence, option A is correct.

8.

$$4\frac{2}{10} + 2\frac{6}{3} - 6\frac{2}{8} = ?$$

$$? = (4 + 2 - 6) + \frac{2}{10} + \frac{6}{3} - \frac{2}{8}$$

$$? = 0 + \frac{(24 + 240 - 30)}{120}$$

$$? = 0 + \frac{234}{120}$$

$$? = 1\frac{114}{120}$$

Hence, option D is correct.

9.

$$4\frac{1}{6} \div 2\frac{1}{2} - 1.25 - 3\frac{1}{4} + 3.5 = ?$$

$$? = \frac{25}{6} \div \frac{5}{2} - 1.25 - \frac{13}{4} + 3.5$$

$$? = \frac{25}{6} \times \frac{2}{5} - 1.25 - 3.25 + 3.5$$

$$? = \frac{5}{3} - 1.25 - 3.25 + 3.5$$

$$? = \frac{5}{3} - 4.5 + 3.5$$

$$? = \frac{5}{3} - 1 = \frac{2}{3}$$

Hence, option C is correct.

10. ? % of  $(17895.35 - 16764.10) = 10^2 + 9^2$

? % of 1131.25 = 181

$$? = \frac{18100}{1131.25} = 16$$

Hence, option C is correct.

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