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Simplification Questions for Bank Clerk Pre Exams.

Simplification Quiz 2

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

1. $\frac{4}{9} \times 1701 + \frac{2}{11} \times 1386 = ?$

- A. 180 B. 1080 C. 1008 D. 1800 E. None of these

2. $9\frac{3}{7} + 6\frac{4}{7} - ? = 14\frac{4}{7}$

- A. $\frac{3}{7}$ B. $\frac{4}{7}$ C. $2\frac{4}{7}$ D. $1\frac{3}{7}$ E. None of these

3. $\frac{4}{5} \times ? \times \frac{3}{7} = \frac{16}{105}$

- A. $\frac{8}{9}$ B. $\frac{5}{7}$ C. $\frac{4}{9}$ D. $\frac{3}{7}$ E. None of these

4. $5^2 + 13^2 - 11^2 = (?)^3 - 52$

- A. 6 B. 3 C. 4 D. 5 E. None of these

5. $98643 - 21748 = 51212 + ?$

- A. 24383 B. 24713 C. 25683 D. 25973 E. None of these

6. $94736 + 43693 + 25638 = ?$

- A. 160546 B. 164076 C. 165046 D. 160467 E. None of these

7. $-948 + 147 - ? = -1432$

- A. 683 B. 631 C. 647 D. 676 E. None of these

8. $(?)^3 \times (5^5) \div 225 = 3000$

- A. 6 B. 8 C. 5 D. 9 E. None of these

9. $(? - 968) \div 79 \times 4 = 512$

- A. 11080 B. 10190 C. 11075 D. 10185 E. None of these

10. $\frac{4}{7} \times \frac{2}{3} \times ? = 1008$

- A. 2688 B. 2604 C. 2667 D. 5 E. None of these

Correct Answers:

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

Explanations:

1.

$$? = \frac{4}{9} \times 1701 + \frac{2}{11} \times 1386$$

$$? = (4 \times 189) + (2 \times 126)$$

$$? = 756 + 252 = 1008.$$

Hence, option C is correct.

2.

$$? = 9\frac{3}{7} + 6\frac{4}{7} - 14 - \frac{4}{7}$$

$$\Rightarrow ? = 9 + \frac{3}{7} + 6 + \frac{4}{7} - 14 - \frac{4}{7}$$

On solving the whole number part separately, we get

$$\Rightarrow ? = 1 + \frac{3}{7} + \frac{4}{7} - \frac{4}{7}$$

$$\Rightarrow ? = 1 + \frac{3}{7} = 1\frac{3}{7}.$$

Hence, option D is correct.

3. Let's the number (?) be x, then

From the given equation,

$$\frac{4}{5} \times x \times \frac{3}{7} = \frac{16}{105}$$

$$\frac{12x}{35} = \frac{16}{105} \Rightarrow x = \frac{16 \times 35}{105 \times 12} \Rightarrow x = \frac{4}{9}.$$

Hence, option C is correct.

4. From the given equation

$$\Rightarrow 25 + 169 - 121 = ?^3 - 52$$

$$\Rightarrow 25 + 48 + 52 = ?^3$$

$$\Rightarrow ?^3 = 125$$

$$\Rightarrow ?^3 = (5)^3 \Rightarrow ? = 5.$$

Hence, option D is correct.

5. Given eqn.

$$98643 - 21748 = 51212 + ?$$

$$\Rightarrow ? = 98643 - 21748 - 51212$$

$$\Rightarrow ? = 25683$$

Hence, option C is correct.

6. $94736 + 43693 + 25638 = 164067$

Hence, option E is correct.

7. $-948 + 147 - ? = -1432$

$$-801 - ? = -1432$$

$$? = 631$$

Hence, option B is correct.

8. $(?)^3 \times (5^5) \div 225 = 3000$

$$(?)^3 \times (5^5) = 3000 \times 225 = 675000$$

$$(?)^3 = 675000 \div (5^5) = 216$$

$$? = 6$$

Hence, option A is correct.

9.

$$\frac{(? - 968)}{79} \times 4 = 512$$

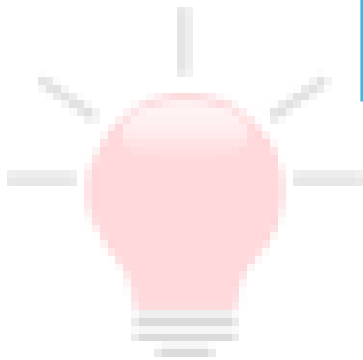
$$\Rightarrow ? = \frac{512 \times 79}{4} + 968 = 11080$$

Hence, option A is correct.

10.

$$? = 1008 \times \frac{7}{4} \times \frac{3}{2} = 2646$$

Hence, option D is correct.



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