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

Simplification Quiz 54

Directions: What value should come in place of question mark.

1. $126 + 392 \div 7 - 35 + 142 = ?$

- A. 8 B. 7 C. 9 D. 5 E. None of these

2. $120\% \text{ of } 200 + \frac{16^2 - 12^2}{2} - 15 = ?$

- A. 312 B. 281 C. 408 D. 292 E. None of these

3. $\frac{56}{7 \times 2} \times \sqrt{441} - \sqrt{729} = \sqrt{?}$

- A. 3025 B. 3249 C. 3136 D. 3364 E. None of these

4. $3\frac{1}{7} + 7\frac{2}{3} - 4\frac{1}{4} = ? + 2\frac{1}{6}$

- A. $8\frac{7}{15}$ B. $5\frac{4}{11}$ C. $7\frac{3}{10}$ D. $6\frac{5}{12}$ E. None of these

5. $1366 + 336 - 666 - 33 + 333 = ?$

- A. 1336 B. 1136 C. 1366 D. 1166 E. None of these

6. $26\% \text{ of } 275 + \sqrt{1296} - 7.5 \times 11 = ?$

- A. 25 B. -25 C. 30 D. 35 E. None of these

7. $\frac{\sqrt{576} + (14 \times 8)}{\sqrt{289}} + \frac{3}{7} \times 168 = ?$

- A. 110 B. 80 C. 90 D. 116 E. None of these

8. $56\% \text{ of } 2400 = ? - 24\% \text{ of } 1800$

- A. 1286 B. 1776 C. 2176 D. 1976 E. None of these

9. $\frac{1}{6} \text{ of } 348 \text{ of } \frac{1}{5} \text{ of } \sqrt{1225} - 148 = ?$

- A. 252 B. 232 C. 242 D. 258 E. None of these

10. $(11)^2 + (7)^3 + (243)^{1/5} = ?$

- A. 447 B. 507 C. 467 D. 357 E. None of these

Correct Answers:

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



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Explanations:

1. $\Rightarrow 126 + 392 \div 7 - 35 + 142 = ?$

$$\Rightarrow 126 + 56 - 35 + 196 = ?$$

$$\Rightarrow 378 - 35 = ?$$

$$\Rightarrow 343 = ?$$

$$\Rightarrow ? = 7$$

Hence, option B is correct.

2.

$$120\% \text{ of } 200 + \frac{16^2 - 12^2}{2} - 15 = ?$$

$$\Rightarrow 240 + \frac{256 - 144}{2} - 15 = ?$$

$$\Rightarrow 240 + \frac{112}{2} - 15 = ?$$

$$\Rightarrow 240 + 56 - 15 = ?$$

$$\Rightarrow ? = 296 - 15$$

$$\Rightarrow ? = 281$$

Hence, option B is correct.

3.

$$\frac{56}{7 \times 2} \times \sqrt{441} - \sqrt{729} = \sqrt{?}$$

$$\Rightarrow \sqrt{?} = \frac{56}{14} \times 21 - 27$$

$$\Rightarrow \sqrt{?} = (84 - 27) \Rightarrow ? = (57)^2$$

$$\Rightarrow ? = 3249$$

Hence, option B is correct.

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4.

$$3\frac{1}{6} + 7\frac{2}{3} - 4\frac{1}{4} = ? + 2\frac{1}{6}$$

$$3\frac{1}{6} + 7\frac{2}{3} - 4\frac{1}{4} - 2\frac{1}{6} = ?$$

$$\text{or, } ? = (3 + 7 - 4 - 2) + \left(\frac{1}{6} + \frac{2}{3} - \frac{1}{4} - \frac{1}{6}\right)$$

$$= 4 + \frac{2 + 8 - 3 - 2}{12}$$

$$= 4 + \frac{5}{12}$$

$$= 4\frac{5}{12}$$

Hence, option E is correct.

5.

$$1366 + 336 - 666 - 33 + 333 = ?$$

$$\Rightarrow 1336 = ?$$

Hence, option A is correct.

6.

$$\Rightarrow 26\% \text{ of } 275 + \sqrt{1296} - 7.5 \times 11 = ?$$

$$\Rightarrow 71.5 + 36 - 82.5 = ?$$

$$\Rightarrow ? = 25$$

Hence, option A is correct.

7.

$$\Rightarrow \frac{\sqrt{576} + (14 \times 8)}{\sqrt{289}} + \frac{3}{7} \times 168 = ?$$

$$\Rightarrow \frac{24 + 112}{17} + 3 \times 24 = ?$$

$$\Rightarrow 8 + 72 = ?$$

$$\Rightarrow ? = 80$$

Hence, option B is correct.

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8. $56\% \text{ of } 2400 = ? - 24\% \text{ of } 1800$

$$\Rightarrow 1344 + 432 = ?$$

$$\Rightarrow 1776 = ?$$

Hence, option B is correct.

9.

$$\frac{1}{6} \text{ of } 348 \text{ of } \frac{1}{5} \text{ of } \sqrt{1225} - 148 = ?$$

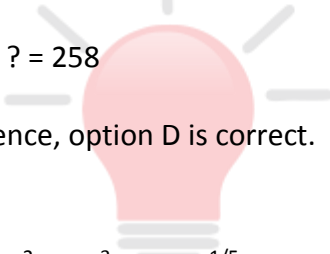
$$\frac{1}{6} \times 348 \times \frac{1}{5} \times 35 - 148 = ?$$

$$\Rightarrow 58 \times 7 - 148 = ?$$

$$\Rightarrow 406 - 148 = ?$$

$$\Rightarrow ? = 258$$

Hence, option D is correct.



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10. $(11)^2 + (7)^3 + (243)^{1/5} = ?$

$$? = 121 + 343 + 3$$

$$? = 467$$

Hence, option C is correct.





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