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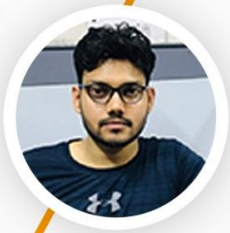

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(IBPS PO 2018)

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

Simplification Quiz 25

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

1. 25% of 720 + 16% of 425 – 22% of 560 = ?

A. 178.28 B. 88.28 C. 128.82 D. 124.8 E. None of these

2. √1296 × √6.25 + 56% of 350 = ? + 235

A. 67 B. 51 C. 58 D. 49 E. None of these

3. $2\frac{2}{3} + 3\frac{1}{5} - 5\frac{1}{3} + 6\frac{1}{2} = ?$

A. $5\frac{1}{30}$ B. $7\frac{1}{30}$ C. $6\frac{1}{30}$ D. $8\frac{1}{30}$ E. None of these

4. $\frac{1}{17}$ × 10200 + 35% of 750 = ? – 34% of 5500

A. 2356.8 B. 1562.3 C. 2431.5 D. 2732.5 E. None of these

5. √2809 × √10404 + √5041 × √4489 = ?

A. 12340 B. 10163 C. 18609 D. 16508 E. None of these

6. 1024 ÷ 32 ÷ 4 × 68 × 7 + 550 = ?

A. 7124 B. 5348 C. 6421 D. 4358 E. None of these

7. 666.5 – 555.6 + 656.56 – 566.65 = ?

A. 191.81 B. 200.81 C. 223.71 D. 216.81 E. None of these

8. 15% of $\frac{1}{8}$ of $\frac{9}{5}$ of 75000 = ?

A. 2531.25 B. 2123.85 C. 1423.45 D. 2323.55 E. None of these

9. 41.3 × 3.6 – 4.8 × 13.8 = ?

A. 54.64 B. 76.14 C. 80.44 D. 63.34 E. None of these

10. $\frac{185}{37} \times \frac{96}{4} + \frac{1005}{15} - \frac{7}{5} = ?$

A. 145.6 B. 248.8 C. 210.5 D. 185.6 E. None of these

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Correct Answers:

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

Explanations:

1. 25% of 720 + 16% of 425 – 22% of 560 = ?

= 180 + 68 – 123.2

= 124.8

Hence, option (D) is correct.

2. √1296 × √6.25 + 56% of 350 = ? + 235

$\Rightarrow 36 \times 2.5 + \frac{56}{100} \times 350 = x + 235$

$\Rightarrow 90 + 196 = x + 235$

$\Rightarrow x = 286 - 235$

$\Rightarrow x = 51$

Hence, option (B) is correct.

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3.

$2\frac{2}{3} + 3\frac{1}{5} - 5\frac{1}{3} + 6\frac{1}{2} = ?$

$= (2 + 3 - 5 + 6) + \left(\frac{2}{3} + \frac{1}{5} - \frac{1}{3} + \frac{1}{2}\right)$

$= 6 + \frac{20 + 6 - 10 + 15}{30}$

$= 6 + \frac{31}{30}$

$= 6 + 1\frac{1}{30}$

$= 7\frac{1}{30}$

Hence, option (B) is correct

4.

$\frac{1}{17} \times 10200 + 35\%$ of $750 = ? - 34\%$ of 5500

$\Rightarrow 600 + \frac{35}{100} \times 750 = ? - \frac{34}{100} \times 5500$

$\Rightarrow 600 + 262.5 = ? - 1870$

$\Rightarrow 600 + 262.5 + 1870 = ?$

$\Rightarrow 2732.5 = ?$

Hence, option (D) is correct.

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5. $\sqrt{2809} \times \sqrt{10404} + \sqrt{5041} \times \sqrt{4489} = ?$

$\Rightarrow 53 \times 102 + 71 \times 67 = ?$

$\Rightarrow 5406 + 4757 = ?$

$\Rightarrow 10163 = ?$

Hence, option (B) is correct.

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6. $1024 \div 32 \div 4 \times 68 \times 7 + 550 = ?$

$\Rightarrow \frac{1024}{32 \times 4} \times 68 \times 7 + 550 = ?$

$\Rightarrow 8 \times 68 \times 7 + 550 = ?$

$\Rightarrow 3808 + 550 = ?$

$\Rightarrow 4358 = ?$

Hence, option (D) is correct.

---

7. $666.5 - 555.6 + 656.56 - 566.65 = ?$

$\Rightarrow 200.81 = ?$

Hence, option (B) is correct.

8.

15% of $\frac{1}{8}$ of $\frac{9}{5}$ of 75000 = ?

15% × 9 × 1875

⇒ 0.15 × 16875

⇒ 2531.25

Hence, option (A) is correct.

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9. 41.3 × 3.6 – 4.8 × 13.8 = ?

⇒ 148.68 – 66.24 = ?

⇒ 82.44 = ?

Hence, option (E) is correct.

10.

$\frac{185}{37} \times \frac{96}{4} + \frac{1005}{15} - \frac{7}{5} = ?$

⇒ 5 × 24 + 67 – 1.4 = ?

⇒ 120 + 67 – 1.4 = ?

⇒ 185.6 = ?

Hence, option D is correct.

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