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Simplification Questions for SBI Clerk Pre, IBPS Clerk Pre, RRB Scale I Pre & IBPS RRB

Simplification Quiz 24

Direction: What value should come in place of question mark?

1. $534.256 - 786.56 + 678.45 + 45.325 - 23.123 = ?$

A. 448.348 B. 438.438 C. 458.448

D. 428.338 E. None of these

2. $(0.09)^7 \times \frac{0.000729}{(0.09)^5} \times 0.0081 = (0.3)^?$

A. 17 B. 19 C. 16

D. 14 E. None of these

3. $2^{10} \times \frac{64}{256} \times 2^5 = 2^? \times 64$

A. 3 B. 7 C. 6

D. 5 E. None of these

4. $133.344 + 1443.333 + 1444.333 + 1333.441 + 111.343 = ?$

A. 4456.794 B. 4465.794 C. 4645.974

D. 4654.974 E. None of these

5. $(47)^2 + 6 \times (26)^2 - 805 \times 6 = ?$

A. 1605 B. 1505 C. 1805

D. 1435 E. None of these

6. $4\frac{1}{5} + 6\frac{1}{4} - 7\frac{3}{5} + 9\frac{7}{4} = ?$

A. 53/5 B. 63/5 C. 68 /5

D. 58/5 E. None of these

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7. **√576 × √225× 36% of 1000 = ? + 540**

A. 129060 B. 139060 C. 229060

D. 149060 E. None of these

8. **25% of 40% of 325 + 123 × 4 = ?**

A. 425.2 B. 452.5 C. 542.5

D. 524.5 E. None of these

9. **155.54 + 1444.55 + 441.54 + 5155.454 = ?**

A. 7179.804 B. 7197.084 C. 9197.084

D. 9179.804 E. None of these

10. **16 × 24 + 23 - ? = 28% of 200**

A. 531 B. 513 C. 351

D. 315 E. None of these

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Correct answers:

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

Explanations:

1.

534.256 – 786.56 + 678.45 + 45.325 – 23.123 = 448.348

Hence, option (A) is correct.

2.

$(0.09)^7 \times \frac{0.000729}{(0.09)^5} \times 0.0081 = (0.3)^?$

$(0.3)^{14} \times \frac{(0.3)^6}{(0.3)^{10}} \times (0.3)^4 = (0.3)^x$

$\Rightarrow (0.3)^{(14+6-10+4)} = (0.3)^x$

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Comparing the powers, we get

$\Rightarrow x = 24 - 10$

$\Rightarrow x = 14$

Hence, option (D) is correct.

3.

$2^{10} \times \frac{64}{256} \times 2^5 = 2^? \times 64$

$\Rightarrow 2^{10} \times \frac{1}{4} \times 2^5 = 2^? \times 2^6$

$\Rightarrow 2^{10} \times \frac{1}{2^2} \times 2^5 = 2^? \times 2^6$

$\Rightarrow 2^{(10-2+5)} = 2^{(?+6)}$

Comparing the powers, we get

$\Rightarrow 15 - 2 = ? + 6$

$\Rightarrow ? = 13 - 6$

$\Rightarrow ? = 7$

Hence, option (B) is correct.

4.

133.344 + 1443.333 + 1444.333+ 1333.441 + 111.343 = 4465.794

Hence, option (B) is correct.

5.

$(47)^2 + 6 \times (26)^2 - 805 \times 6$

= 2209 + 4056 – 4830

= 6265 – 4830 = 1435

Hence, option (D) is correct.

6.

$4\frac{1}{5} + 6\frac{1}{4} - 7\frac{3}{5} + 9\frac{7}{4} = ?$

$= (4 + 6 - 7 + 9) + (\frac{1}{5} + \frac{1}{4} - \frac{3}{5} + \frac{7}{4})$

$\Rightarrow 12 + \frac{4 + 5 - 12 + 35}{20}$

$\Rightarrow 12 + \frac{32}{20}$

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$\Rightarrow 12 + \frac{8}{5}$

$\Rightarrow 12 + 1\frac{3}{5}$

$= 13\frac{3}{5}$

Hence, option (C) is correct.

7.

$\sqrt{576} \times \sqrt{225} \times 36\%$ of $1000 = ? + 540$

$\Rightarrow 24 \times 15 \times \frac{36}{100} \times 1000 = x + 540$

$\Rightarrow 360 \times 360 = x + 540$

$\Rightarrow 129600 = x + 540$

$\Rightarrow x = 129600 - 540$

$\Rightarrow x = 129060$

Hence, option (A) is correct.

8.

25% of 40% of 325 + 123 x 4

$= \frac{25}{100} \times \frac{40}{100} \times 325 + 492$

$= 524.5$

Hence, option (D) is correct.

9.

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155.54 + 1444.55 + 441.54 + 5155.454 = 7197.084

Hence, option (B) is correct.

10.

16 × 24 + 23 – ? = 28% of 200

⇒ 384 + 23 – x = 56

⇒ x = 407 – 56

⇒ x = 351

Hence, option (C) is correct.

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