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Simplification Questions for IBPS RRB SCALE- I Pre & RRB Office Asst. Pre Exams – Simplification Quiz at Smartkeeda.

Simplification Quiz 56

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

1. $(84 \div 7 + 1.6 \div ?) = (\sqrt[3]{4})^{3 \times 5 \div 2}$

- A. 0.4 B. 2 C. 0.08 D. 1.2 E. 0.8

2. $(42 - 0.75\% (4 \times 3! \div 0.06)) = ? + 31$

- A. 9 B. 10 C. 12 D. 8 E. 15

3. $13 + ? \times (4.5 \div 6) \times (3 - 1.8) = 31$

- A. 18 B. 36 C. 2 D. 25 E. 20

4. $(3.9 \div 0.13) \times (6.4 - 5.8) = ?$

- A. 18 B. 9 C. 12 D. 20 E. 5

5. $(16 \div 0.4 \times ?) - 36 = 6! \div (4 \times 3 + 8)$

- A. 5 B. 12 C. 1.8 D. 2.4 E. 4.2

6. $? = (6.4 - 3.4) \times (52 \div 1.3) + 0.8 \times 0.75 \div 0.02$

- A. 120 B. 90 C. 135 D. 175 E. 150

7. $(73 - ? \times 3) = 4 \times 3.2 \div 0.8 + 33$

- A. 8 B. 12 C. 21 D. 5 E. 6

8. $(0.4 \times ? - 6 \times 3) = 18 + 4! \div 0.6$

A. 21

B. 190

C. 54

D. 100

E. 19

9.

$$\frac{(14 + 212 - 68)}{(44 + 35)} = ?$$

A. 1

B. 2

C. 79

D. 158

E. 34

10. $41 \times 12 + 17 \times 24 - 413 = ?$

A. 432

B. 436

C. 324

D. 456

E. 487



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Correct Answers:

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

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Explanations:

1.

$$(84 \div 7 + 1.6 \div ?) = (\sqrt[3]{4})^{3 \times 5 \div 2}$$

$$(12 + 1.6 \div ?) = (2^{2/3})^{15/2}$$

$$(12 + 1.6 \div ?) = 32$$

$$1.6 \div ? = 20$$

$$? = \frac{1.6}{20}$$

$$? = 0.08$$

Hence, option C is correct.

2.

$$(42 - 0.75\% (4 \times 3! \div 0.06)) = ? + 31$$

$$(42 - \frac{0.75}{100} (400)) = ? + 31$$

$$? = 42 - 31 - 3$$

$$? = 8$$

Hence, option D is correct.

Sub-details:



Factorial: The factorial function (symbol: !) says to multiply all whole numbers from our chosen number down to 1.

Examples:

$$4! = 4 \times 3 \times 2 \times 1 = 24$$

$$6! = 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 720$$

$$1! = 1$$

3.

$$13 + ? \times (4.5 \div 6) \times (3 - 1.8) = 31$$

$$13 + ? \times (0.9) = 31$$

$$? = 20$$

Hence, option E is correct.

4.

$$(3.9 \div 0.13) \times (6.4 - 5.8) = ?$$

$$(30) \times (0.6) = ?$$

$$? = 18$$

Hence, option A is correct.

5.

$$(16 \div 0.4 \times ?) - 36 = 6! \div (4 \times 3 + 8)$$

$$40 \times ? = 72$$

$$\begin{aligned} ? &= \frac{72}{40} \\ &= 1.8 \end{aligned}$$

Hence, option C is correct.

6.

$$? = (6.4 - 3.4) \times (52 \div 1.3) + 0.8 \times 0.75 \div 0.02$$

$$? = (3) \times (40) + 30$$

$$? = 150$$

Hence, option E is correct.

7.

$$(73 - ? \times 3) = 4 \times 3.2 \div 0.8 + 33$$

$$73 - ? \times 3 = 16 + 33$$

$$? \times 3 = 73 - 16 - 33$$

$$? = 8$$

Hence, option A is correct

8. $(0.4 \times ? - 6 \times 3) = 18 + 4! \div 0.6$

$$0.4 \times ? - 18 = 18 + 40$$

$$0.4 \times ? = 76$$

$$? = 190$$

Hence, option B is correct.

9.

$$\frac{(14 + 212 - 68)}{(44 + 35)} = ?$$

$$\frac{158}{79} = ?$$

$$? = 2$$

Hence, option B is correct.

10.

$$41 \times 12 + 17 \times 24 - 413 = ?$$

$$? = 487$$

Hence, option E is correct.



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