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Simplification Questions for Bank Clerk Pre Exams – Simplification Quiz at Smartkeeda.

Simplification Quiz 1

Directions: Study the following questions carefully and choose the right answer:

1. $5004 \div 139 - 6 = ?$

- A. 24
D. 42
- B. 30
E. None of these
- C. 36

2. $2 - [2 - \{2 - 2(2 + 2)\}] = ?$

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

3. $3640 \div 14 \times 16 + 340 = ?$

- A. 0.70
D. 9600
- B. 3525
E. None of these
- C. 4480

4. $100 \times 10 - 100 + 2000 \div 100 = ?$

- A. 29
D. 979
- B. 780
E. None of these
- C. 920

5. $\frac{4 + 4 \times 18 - 6 - 8}{123 \times 6 - 146 \times 5} = ?$

- A. 1
D. 7.75
- B. 2
E. None of these
- C. 6.65

6. $\frac{180 \times 15 - 12 \times 20}{140 \times 8 + 2 \times 55} = ?$

- A. $\frac{1}{7}$
D. 4
- B. $\frac{4}{5}$
E. None of these
- C. 2

7. $5\frac{5}{6} - 3\frac{8}{9} - ? = 1$

- A. $\frac{2}{3}$
D. 3
- B. $\frac{3}{2}$
E. None of these
- C. $\frac{17}{18}$

8. $6\frac{5}{6} \times 5\frac{1}{3} + 17\frac{2}{3} \times 4\frac{1}{2} = ?$

A. $112\frac{1}{3}$

B. $116\frac{2}{3}$

C. 240

D. 663

E. None of these

9. $\frac{3}{8}$ of $168 \times 15 \div 5 + ? = 549 \div 9 + 235$

A. 107

B. 170

C. 296

D. 275

E. None of these

10. $5\frac{2}{3} \div ? \frac{5}{6} = 2$

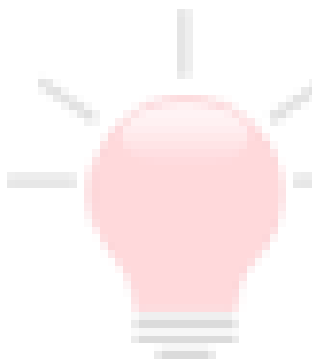
A. 2

B. 3

C. 4

D. 5

E. None of these



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Correct Answers:

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

Explanations:

1.

$$\text{Given expression} = \frac{5004}{139} - 6$$

$$= 36 - 6 = 30.$$

Hence, option B is correct.

2. Given expression = $2 - [2 - \{2 - 2 \times 4\}]$

$$\Rightarrow 2 - [2 - \{2 - 8\}] \Rightarrow 2 - [2 - (-6)]$$

$$\Rightarrow 2 - [2 + 6] \Rightarrow 2 - 8$$

$$\Rightarrow -6.$$

Hence, option D is correct.

3. Given expression : $3640 \div 14 \times 16 + 340 = ?$

$$260 \times 16 + 340 \Rightarrow 4160 + 340 \Rightarrow 4500.$$

Hence, option E is correct.

4. Given expression = $100 \times 10 - 100 + 20$

$$\Rightarrow 1000 - 100 + 20$$

$$\Rightarrow 1020 - 100 \Rightarrow 920.$$

Hence, option C is correct.



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5. By the applying BODMAS rule, we get

$$\begin{aligned}\text{Given expression} &= \frac{4 + 72 - 6 - 8}{738 - 730} \Rightarrow \frac{76 - 14}{8} \\ &\Rightarrow \frac{62}{8} \Rightarrow 7.75.\end{aligned}$$

Hence, option D is correct.

6. By the applying BODMAS rule, we get

$$\text{Given expression} = \frac{2700 - 240}{1120 + 110} \Rightarrow \frac{2460}{1230} \Rightarrow 2.$$

Hence, option C is correct.

7.

$$\text{Let } \frac{35}{6} - \frac{35}{9} - x = 1.$$

$$\text{Then, } x = \frac{35}{6} - \frac{35}{9} - 1$$

$$x = \frac{35}{6} - \left(\frac{35}{9} + 1\right) \Rightarrow \frac{35}{6} - \frac{44}{9}$$

$$\Rightarrow \frac{105 - 88}{18} \Rightarrow \frac{17}{18}.$$

Hence, option C is correct.

8.

$$\text{Given expression} = \left(\frac{41}{6} \times \frac{16}{3} + \frac{53}{3} \times \frac{9}{2}\right) = \left(\frac{328}{9} + \frac{159}{2}\right)$$

$$\Rightarrow \frac{656 + 1431}{18} = \frac{2087}{18}.$$

$$\Rightarrow 115\frac{17}{18}.$$

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Hence, option E is correct.

9.

$$\text{Let } \frac{3}{8} \text{ of } 168 \times 15 \div 5 + A = 549 \div 9 + 235$$

$$\text{Then, } 63 \times 15 \div 5 + A = 549 \div 9 + 235$$

$$\Rightarrow 63 \times 3 + A = 61 + 235$$

$$\Rightarrow 189 + A = 296, \quad A = 107.$$

Hence, option A is correct.

10.

$$\text{Let } 5\frac{2}{3} \div y\frac{5}{6} = 2.$$

$$\text{Then, } \frac{17}{3} \div y\frac{5}{6} = 2. \Rightarrow \frac{5}{6}y = \frac{17}{3} \times \frac{1}{2} = \frac{17}{6}$$

$$\Rightarrow \frac{5}{6}y = 2\frac{5}{6}$$

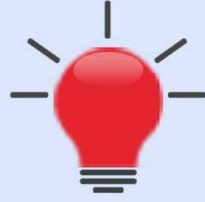
Therefore, $y = 2$.

Hence, option A is correct.

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