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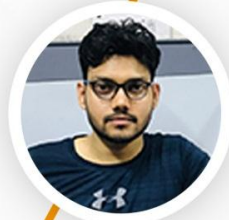
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The Question Bank

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

## Simplification Quiz 28

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

1.  $271.5 \times [(3)^3]^? = 27^5$

- A. 4.5                      B. 3.5                      C. 8.5                      D. 11.5                      E. None of these

2.  $\frac{65 \times 95}{391} \times \frac{544}{133} \times \frac{483}{520} = ?$

- A. 58                      B. 60                      C. 63                      D. 67                      E. 69

3.  $(63)^2 + 0.75 \times 444 + 0.8 \times 185 = ? \times 89$

- A. 47                      B. 50                      C. 53                      D. 56                      E. 68

4.  $980 - 534 \times 5 + 1005 \times 3 = ?$

- A. 1532                      B. 1325                      C. 1235                      D. 1134                      E. 1480

5.  $432.45 + 678.19 - 412.87 = ?$

- A. 586.56                      B. 234.45                      C. 432.35                      D. 697.77                      E. 335.41

6.  $30\% \text{ of } 550 - 120\% \text{ of } 6000 = ?$

- A. - 7035                      B. 7213                      C. 7035                      D. - 7213                      E. 7050

7.  $\frac{1}{5} \times \frac{1}{4} \times 2000 = ? + 20$

- A. 80                      B. 100                      C. 120                      D. 50                      E. 70

8.  $14 \times \sqrt{1024} + 5 \times \sqrt{961} = ?$

- A. 510                      B. 603                      C. 504                      D. 620                      E. 520

9.  $(27)^2 \times \frac{9}{81} = 3? \times 3$

- A. 2                      B. 5                      C. 3                      D. 7                      E. None of these

10.  $4\frac{1}{3} - 5\frac{1}{2} + 6\frac{1}{4} = ?$

- A.  $4\frac{1}{12}$                       B.  $3\frac{1}{12}$                       C.  $5\frac{1}{12}$                       D.  $6\frac{1}{12}$                       E. None of these

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
B	B	B	B	D	A	A	B	C	C

**Explanations:**

**1.**  $27^{1.5} \times 27^? = 27^5$   
or,  $27^{1.5} \times 27^? = 27^5$   
or,  $(27)^{?+1.5} = 27^5$   
or,  $? = 5 - 1.5 = 3.5$   
Hence, option (B) is correct.

**2.**

$$\frac{65 \times 95}{391} \times \frac{544}{133} \times \frac{483}{520} = ?$$

$$\Rightarrow ? = \frac{65 \times 95}{391} \times \frac{544}{133} \times \frac{483}{520}$$

$$\Rightarrow ? = 5 \times 2 \times 2 \times 3$$

$$\therefore ? = 60$$

Hence, option B is correct.

**3.**

$$(63)^2 + 0.75 \times 444 + 0.8 \times 185 = ? \times 89$$

$$\Rightarrow ? \times 89 = 3969 + 333 + 148$$

$$\Rightarrow ? = \frac{4450}{89}$$

$$\therefore ? = 50$$

Hence, option B is correct.

**4.**

$$980 - 534 \times 5 + 1005 \times 3 = ?$$

$$\Rightarrow 980 - 2670 + 3015 = ?$$

$$\Rightarrow 1325 = ?$$

Hence, option B is correct.

**5.**

$$432.45 + 678.19 - 412.87 = ?$$

$$\Rightarrow 697.77 = ?$$

Hence, option D is correct.

**6.**

$$30\% \text{ of } 550 - 120\% \text{ of } 6000 = ?$$

$$\Rightarrow \frac{30}{100} \times 550 - \frac{120}{100} \times 6000 = ?$$

$$\Rightarrow -7035 = ?$$

Hence, option A is correct.

7.

$$\frac{1}{5} \times \frac{1}{4} \times 2000 = ? + 20$$

$$\Rightarrow 100 - 20 = ?$$

$$\Rightarrow 80 = ?$$

Hence, option A is correct.

8.

$$14 \times \sqrt{1024} + 5 \times \sqrt{961} = ?$$

$$\Rightarrow 14 \times 32 + 5 \times 31 = ?$$

$$\Rightarrow 448 + 155 = ?$$

$$\Rightarrow 603 = ?$$

Hence, option B is correct.

9.

$$(27)^2 \times \frac{9}{81} = 3^? \times 3$$

$$\Rightarrow 3^6 \times \frac{3^2}{3^4} = 3^{(?+1)}$$

$$\Rightarrow 6 + 2 - 4 = ? + 1$$

$$\Rightarrow 4 = ? + 1$$

$$\Rightarrow ? = 3$$

Hence, option C is correct.

10.

$$4\frac{1}{12} - 5\frac{1}{2} + 6\frac{1}{4} = ?$$

$$\Rightarrow (4 - 5 + 6) + \left(\frac{1}{3} - \frac{1}{2} + \frac{1}{4}\right) = ?$$

$$\Rightarrow 5 + \frac{4 - 6 + 3}{12} = ?$$

$$\Rightarrow 5 + \frac{1}{12} = ?$$

$$\Rightarrow 5\frac{1}{12} = ?$$

Hence, option C is correct.



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