



**Bipin Nambiar**  
(SBI PO 2018)



**Shiraz Khan**  
(SBI Clerk 2018)



**Kuldeep Yadav**  
(SBI PO 2018)



**Rajat Saxena**  
(IBPS Clerk 2018)



**Anupam Tyagi**  
(IBPS PO 2018)

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The Question Bank

# Simplification Questions for IBPS Clerk Pre, RBI Assistant, SBI Clerk Pre and IBPS RRB Exams.

## Simplification Quiz 51

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

1.  $7\frac{2}{3} + 9\frac{7}{12} + 11\frac{3}{4} - 6\frac{1}{2} = ?$

- A.  $25\frac{3}{5}$       B.  $22\frac{1}{2}$       C.  $23\frac{3}{4}$       D.  $22\frac{3}{5}$       E. None of these

2.  $25^{6.5} \times 25^{12.25} = 25^{21-?}$

- A. 2.20      B. 2.25      C. 2.5      D. 3      E. None of these

3.  $1332 \div 36 \times 23 + 287 - 189 = ?$

- A. 1029      B. 988      C. 850      D. 949      E. None of these

4.  $0.8\% \text{ of } 2580 + 16\% \text{ of } 685 = ?$

- A. 125.76      B. 120.76      C. 130.24      D. 124.76      E. None of these

5.  $(153 \times 1331) \div (11 \times 17) = ?$

- A. 948      B. 1089      C. 1153      D. 1249      E. None of these

6.  $\sqrt{1849} + \sqrt{529} - \sqrt{1521} = ?$

- A. 34      B. 27      C. 36      D. 26      E. None of these

7.  $9845 - 3746 + 5483 = 7416 + ?$

- A. 3614      B. 4166      C. 2876      D. 3776      E. None of these

8.  $\frac{5}{13} \text{ of } 1456 \text{ of } \frac{2}{7} \text{ of } \frac{136}{17} = ?$

- A. 1140      B. 1280      C. 1320      D. 1210      E. None of these

9.  $4.8 \times 4.5 \times 3.6 \times 50 = ?$

- A. 2888      B. 3688      C. 3888      D. 3288      E. None of these

10.  $13^3 + 21^2 - 19^3 + 5360 = ?$

- A. 1240      B. 1139      C. 1332      D. 1129      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	D	C	B	B	B	B	C	B

### Explanations:

1.  $7\frac{2}{3} + 9\frac{7}{12} + 11\frac{3}{4} - 6\frac{1}{2} = ?$

$$? = (7 + 9 + 11 - 6) + \left(\frac{2}{3} + \frac{7}{12} + \frac{3}{4} - \frac{1}{2}\right)$$

$$? = 21 + \frac{8 + 7 + 9 - 6}{12} = 21 + \frac{18}{12}$$

$$? = 21 + \frac{3}{2} = 22 + \frac{1}{2} = 22\frac{1}{2}$$

Hence, option B is correct.

2. As the base on both the sides LHS and RHS are equal, we can compare the indices.

$$6.5 + 12.25 = 21 - x$$

$$18.75 = 21 - x$$

$$\text{Therefore, } x = 21 - 18.75$$

$$\Rightarrow 2.25$$

Hence, option B is correct.

3.  $1332 \div 36 \times 23 + 287 - 189 = ?$

$$\Rightarrow \frac{1332}{36} \times 23 + 287 - 189$$

$$= 851 + 287 - 189 = 1138 - 189 = 949$$

Hence, option D is correct.

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4.  $0.8\% \text{ of } 2580 + 16\% \text{ of } 685 = ?$

$$? = \frac{8}{10 \times 100} \times 2580 + \frac{16}{100} \times 685$$

$$= 20.64 + 109.6 = 130.24$$

Hence, option C is correct.

5.  $(153 \times 1331) \div (11 \times 17) = ?$

$$? = \frac{153 \times 1331}{11 \times 17} = 9 \times 121 = 1089$$

Hence, option B is correct.

6.  $\sqrt{1849} + \sqrt{529} - \sqrt{1521} = ?$

$$? = 43 + 23 - 39 = 27$$

Hence, option B is correct.

7.  $9845 - 3746 + 5483 = 7416 + ?$

$$? = 9845 - 3746 + 5483 - 7416$$

$$? = 4166$$

Hence, option B is correct.

8.

$$\frac{5}{13} \text{ of } 1456 \text{ of } \frac{2}{7} \text{ of } \frac{136}{17} = ?$$

$$? = \frac{5}{13} \times 1456 \times \frac{2}{7} \times \frac{136}{17}$$

$$? = 5 \times 16 \times 2 \times 8$$

or,  $? = 1280$

Hence, option B is correct.

9.  $4.8 \times 4.5 \times 3.6 \times 50 = ?$

$\Rightarrow ? = 4.8 \times 4.5 \times 3.6 \times 50 = 3888$

Hence, option C is correct.

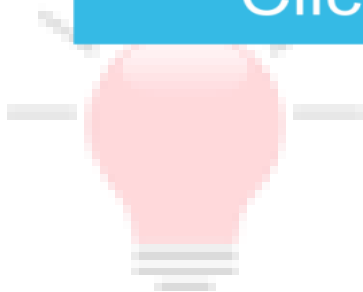
10.  $13^3 + 21^2 - 19^3 + 5360 = ?$

or,  $? = 2197 + 441 - 6859 + 5360$

or,  $? = 1139$

Hence, option B is correct answer.

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