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

## Simplification Quiz 55

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

1.  $\sqrt{196} \times \sqrt{144} \times 20\% \text{ of } 500 = ? + 1256$

- A. 15,544      B. 15,572      C. 15,589      D. 15,511      E. None of these

2.  $(17)^2 + 6 \times (13)^2 - 212 \times 6 = ?$

- A. 11      B. 23      C. 49      D. 31      E. None of these

3.  $235.265 - 483.67 + 956.71 + 33.523 - 17.231 = ?$

- A. 687.391      B. 705.523      C. 724.597      D. 749.498      E. None of these

4.  $12 \times 15 + 27 - ? = 28\% \text{ of } 400$

- A. 67      B. 131      C. 119      D. 95      E. None of these

5.  $25\% \text{ of } 680 + 16\% \text{ of } 525 - 22\% \text{ of } 450 = ?$

- A. 217      B. 155      C. 233      D. 189      E. None of these

6.  $\sqrt{784} \times \sqrt{6.25} + 56\% \text{ of } 450 = ? + 186$

- A. 136      B. 107      C. 121      D. 93      E. None of these

7.  $13^2 \times \frac{210}{28} \times 44 = ? + 27^2$

- A. 54,855      B. 54,967      C. 54,352      D. 55,041      E. None of these

8.  $25\% \text{ of } 30\% \text{ of } 950 + 6 \times 73 = ?$

- A. 523.5      B. 509.25      C. 537.75      D. 545.25      E. None of these

9.  $\frac{32}{100} \times 850 - ? = \frac{14}{100} \text{ of } 640$

- A. 127.8      B. 153.5      C. 175.6      D. 182.4      E. None of these

10.  $\frac{170}{34} \times \frac{78}{3} + \frac{742}{14} - \frac{7}{5} = ?$

- A. 147.6      B. 181.6      C. 215.5      D. 243.7      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> |
| A        | D        | C        | D        | B        | A        | D        | B        | D        | B         |



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## Explanations:

1.  $\sqrt{196} \times \sqrt{144} \times 20\% \text{ of } 500 = ? + 1256$

$$\Rightarrow 14 \times 12 \times \frac{20}{100} \times 500 = ? + 1256$$

$$\Rightarrow 168 \times 100 = ? + 1256$$

$$\Rightarrow 16800 = ? + 1256$$

$$\Rightarrow ? = 16800 - 1256$$

$$\Rightarrow ? = 15,544$$

Hence, option (A) is correct.

2.  $(17)^2 + 6 \times (13)^2 - 212 \times 6 = ?$

$$? = 289 + 1014 - 1272$$

$$? = 1303 - 1272$$

$$? = 31$$

Hence, option (D) is correct.

3.  $235.265 - 483.67 + 956.71 + 33.523 - 17.231 = ?$

$$? = 1225.498 - 500.901$$

$$? = 724.597$$

Hence, Option C is correct.

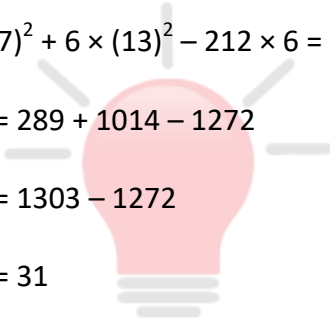
4.  $12 \times 15 + 27 - ? = 28\% \text{ of } 400$

$$\Rightarrow 180 + 27 - ? = 112$$

$$\Rightarrow ? = 207 - 112$$

$$\Rightarrow ? = 95$$

Hence, option (D) is correct.



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5.  $25\% \text{ of } 680 + 16\% \text{ of } 525 - 22\% \text{ of } 450 = ?$

$$? = 170 + 84 - 99$$

$$? = 155$$

Hence, option (B) is correct.

6.  $\sqrt{784} \times \sqrt{6.25} + 56\% \text{ of } 450 = ? + 186$

$$\Rightarrow 28 \times 2.5 + \frac{56}{100} \times 450 = ? + 186$$

$$\Rightarrow 70 + 252 = ? + 186$$

$$\Rightarrow ? = 322 - 186$$

$$\Rightarrow ? = 136$$

Hence, option (A) is correct.

7.

$$13^2 \times \frac{210}{28} \times 44 = ? + 27^2$$

$$\Rightarrow 169 \times 330 = ? + 729$$

$$\Rightarrow 55,770 - 729 = ?$$

$$\Rightarrow ? = 55,041$$

Hence, option (D) is correct.

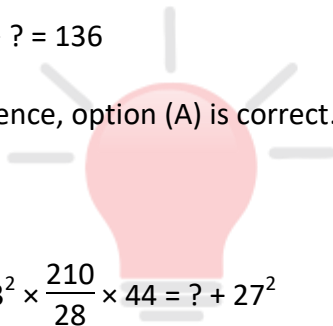
8.  $25\% \text{ of } 30\% \text{ of } 950 + 6 \times 73 = ?$

$$? = \frac{25}{100} \times \frac{30}{100} \times 950 + 438$$

$$? = 71.25 + 438$$

$$? = 509.25$$

Hence, option (B) is correct.



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9.

$$\frac{32}{100} \times 850 - ? = \frac{14}{100} \times 640$$

$$\Rightarrow 272 - ? = 89.6$$

$$\Rightarrow ? = 272 - 89.6$$

$$\Rightarrow ? = 182.4$$

Hence, option (D) is correct.

10.

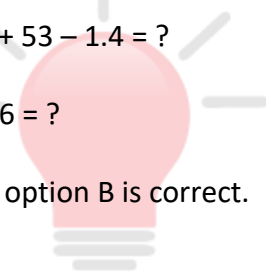
$$\frac{170}{34} \times \frac{78}{3} + \frac{742}{14} - \frac{7}{5} = ?$$

$$\Rightarrow 5 \times 26 + 53 - 1.4 = ?$$

$$\Rightarrow 130 + 53 - 1.4 = ?$$

$$\Rightarrow 181.6 = ?$$

Hence, option B is correct.



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