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The Question Bank

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

### Simplification Quiz 21

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

1.  $58\% \text{ of } 850 + ? = 1224 - 603$

- A. 128                      B. 130                      C. 138                      D. 140                      E. None of these

2.  $5163 - 4018 + 3209 - 3146 + 1873 = ?$

- A. 3171                      B. 3261                      C. 3801                      D. 3081                      E. 3011

3.  $8743 + 486 \div 18 \times 148 = ?$

- A. 3264                      B. 12739                      C. 11432                      D. 9843                      E. None of these

4.  $[(135)^2 \div 15 \times 39] \div ? = 60 \times 52$

- A. 15.19                      B. 21.47                      C. 14.2                      D. 13.21                      E. None of these

5.  $6^3 \times 3^4 \div 9^3 + ?^2 = 7^2$

- A. 4                      B. 7                      C. 5                      D. 6                      E. 8

6.  $124\sqrt{?} + 876 = \frac{3}{4} \text{ of } 840 + 742$

- A. 4                      B. 16                      C. 8                      D. 64                      E. None of these

7.  $70\% \text{ of } 1680 + ?\% \text{ of } 1750 = 55\% \text{ of } 2820 - 886$

- A. 36                      B. 34                      C. 28                      D. 38                      E. None of these

8.  $326 \times 14 - 12 \times 88 + (49)^2 = ?$

- A. 5110                      B. 5909                      C. 5990                      D. 6909                      E. None of these

9.  $6\frac{3}{7} \text{ of } 266 + 630 = 7985 - ? - 5200$

- A. 755                      B. 645                      C. 445                      D. 555                      E. 665

10.  $?\% \text{ of } (140 \times 8 - 680) = 330$

- A. 65                      B. 70                      C. 72                      D. 75                      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	B	A	C	B	E	B	C	D

**Explanations:**

**1.**  $58\% \text{ of } 850 + ? = 1224 - 603$   
 $? = 1224 - 603 - 58\% \text{ of } 850$   
 $= 621 - 493 = 128$   
Hence, option A is correct.

**2.**  $? = 5163 - 4018 + 3209 - 3146 + 1873$   
 $= 5163 + 3209 + 1873 - 4018 - 3146$   
 $= 10245 - 7164 = 3081$   
Hence, option D is correct.

**3.**  $8743 + 486 \div 18 \times 148 = ?$   
 $? = 8743 + 27 \times 148$   
 $? = 8743 + 3996$   
 $? = 12739$   
Hence, option B is correct.

**4.**  $[(135)^2 \div 15 \times 39] \div ? = 60 \times 52$   
or,  $[135 \times \frac{135}{15} \times 39] \div ? = 3120$   
or,  $47385 \div ? = 3120$   
 $\therefore ? = \frac{47385}{3120} = 15.19$   
Hence, option A is correct.

**5.**  $6^3 \times 3^4 \div 9^3 + ?^2 = 7^2$   
or,  $216 \times \frac{81}{729} + (? )^2 = 7^2$   
or,  $24 + (? )^2 = 7^2$   
or,  $?^2 = 49 - 24 = 25$   
or,  $? = 5$   
Hence, option C is correct.

**6.**

$$124 \sqrt{?} + 876 = \frac{3}{4} \text{ of } 840 + 742$$

$$\text{or, } 124 \sqrt{?} + 876 = 630 + 742$$

$$\text{or, } 124 \sqrt{?} = 1372 - 876$$

$$\text{or, } 124 \sqrt{?} = 496$$

$$\text{or, } \sqrt{?} = 4$$

$$\therefore ? = 4^2 = 16$$

Hence, option B is correct.

**7.** 70% of 1680 + ?% of 1750 = 55% of 2820 – 886

$$\text{or, } 70\% \text{ of } 1680 + \frac{?}{100} \text{ of } 1750 = 55\% \text{ of } 2820 - 886$$

$$\text{or, } \frac{70}{100} \times 1680 + \frac{?}{100} \times 1750 = \frac{55}{100} \times 2820 - 886$$

$$\text{or, } 1176 + 17.5 \times ? = 1551 - 886$$

$$\text{or, } 17.5 \times ? = 1551 - 886 - 1176$$

$$\therefore ? = \frac{-511}{17.5} = -29.2$$

Hence, option E is correct.

**8.**  $326 \times 14 - 12 \times 88 + (49)^2 = ?$

$$\Rightarrow ? = 326 \times 14 - 12 \times 88 + (49)^2$$

$$\Rightarrow ? = 4564 - 1056 + 2401$$

$$\Rightarrow ? = 6965 - 1056 = 5909$$

Hence, option B is correct.

**9.**

$$6\frac{3}{7} \text{ of } 266 + 630 = 7985 - ? - 5200$$

$$\Rightarrow \frac{45}{7} \times 266 + 630 = 7985 - ? - 5200$$

$$\text{Or, } 1710 + 630 = 2785 - ?$$

$$\therefore ? = 2785 - 2340 = 445$$

Hence, option C is correct.

**10.**

$$?\% \text{ of } (140 \times 8 - 680) = 330$$

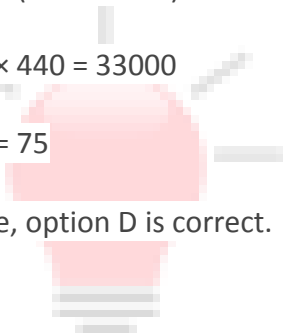
$$\text{or, } \frac{? \times (140 \times 8 - 680)}{100} = 330$$

$$\text{or, } ? \times (1120 - 680) = 330 \times 100$$

$$\text{or, } ? \times 440 = 33000$$

$$\text{or, } ? = 75$$

Hence, option D is correct.



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