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The Question Bank

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

Simplification Quiz 22

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

1. $(2)^{-3.7} \div (32)^{-1} \times \frac{1}{16} = (2)^?$

- A. - 12.7 B. - 2.7 C. 5.3 D. 3.7 E. None of these

2. $(16807)^{-2} \times (49)^7 \times \frac{1}{343} = (7)^?$

- A. 1 B. - 3 C. 7 D. 2 E. 5

3. **24.8% of 1550 – 13.2% of 1125 = ?**

- A. 231.1 B. 235.9 C. 239.4 D. 243 E. 246.5

4. $\sqrt[3]{68921} + \sqrt[3]{17576} = ?$

- A. 61 B. 63 C. 65 D. 67 E. 69

5. $\sqrt{1.96} + \sqrt{23.04} = ?$

- A. 3.8 B. 3.4 C. 2.8 D. 2.6 E. None of these

6. **16.4 × 7.75 × 12 = ?**

- A. 1122.6 B. 1426.8 C. 1628.4 D. 1525.2 E. 1320

7. **319.24 – 106.89 + 431.65 – 240.33 = ?**

- A. 407.67 B. 421.27 C. 403.67 D. 424.57 E. None of these

8. **48% of 1735 + 36% of 1545 = ?**

- A. 1184 B. 1216 C. 1278 D. 1324 E. 1389

9. $17^2 + 23^2 = \sqrt{?}$

- A. 1600 B. 274576 C. 374544 D. 669124 E. None of these

10. $\frac{4}{7}$ of $\frac{5}{9}$ of $\frac{8}{11}$ of 7623 = ?

- A. 1320 B. 1540 C. 1760 D. 1980 E. 2120

Correct Answers:

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

Explanations:**1.**

$$(2)^{-3.7} \div (32)^{-1} \times \frac{1}{16} = (2)^?$$

$$\Rightarrow (2)^? = (2)^{-3.7} \div (2^5)^{-1} \times \frac{1}{2^4}$$

$$= (2)^{-3.7} \div 2^{-5} \times (2)^{-4}$$

$$= (2)^{-3.7+5-4} = (2)^{-2.7}$$

$$\therefore ? = -2.7$$

Hence, option B is correct.

2.

$$(16807)^{-2} \times (49)^7 \times \frac{1}{343} = (7)^?$$

$$(7)^? = (7^5)^{-2} \times (7^2)^7 \times \frac{1}{(7)^3}$$

$$(7)^? = (7)^{-10} \times (7)^{14} \times 7^{-3}$$

$$(7)^? = (7)^{-10+14-3}$$

$$(7)^? = (7)^1$$

$$\therefore ? = 1$$

Hence, option A is correct.

3. 24.8% of 1550 – 13.2% of 1125 = ?

$$? = 384.4 - 148.5 = 235.9$$

Hence, option B is correct.



4. $\sqrt[3]{68921} + \sqrt[3]{17576} = ?$

$$? = 41 + 26 = 67$$

Hence, option D is correct.

5. $\sqrt{1.96 + \sqrt{23.04}} = ?$

$$? = \sqrt{1.96 + 4.8} = \sqrt{6.76} = 2.6$$

Hence, option D is correct.

6. $16.4 \times 7.75 \times 12 = ?$

$$? = 127.1 \times 12 = 1525.2$$

Hence, option D is correct.

7. $319.24 - 106.89 + 431.65 - 240.33 = ?$

$$? = 750.89 - 347.22 = 403.67$$

Hence, option C is correct.

8. $48\% \text{ of } 1735 + 36\% \text{ of } 1545 = ?$

$$? = 48\% \text{ of } 1735 + 36\% \text{ of } 1545$$

$$? = 832.8 + 556.2 = 1389$$

Hence, option E is correct.

9. $17^2 + 23^2 = \sqrt{?}$

$$\sqrt{?} = 17^2 + 23^2 = 289 + 529 = 818$$

$$\therefore ? = (818)^2 = 669124$$

Hence, option D is correct.

10.

$$\frac{4}{7} \text{ of } \frac{5}{9} \text{ of } \frac{8}{11} \text{ of } 7623 = ?$$

$$? = \frac{4 \times 5 \times 8 \times 7623}{7 \times 9 \times 11} = 1760$$

Hence, option C is correct.



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