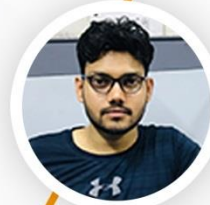Bipin Nambiar
(SBI PO 2018)

Shiraz Khan
(SBI Clerk 2018)

Kuldeep Yadav
(SBI PO 2018)

Rajat Saxena
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The Question Bank

Simplification Questions for Bank Clerk Pre Exams.

Simplification Quiz 7

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

1. **85% of 620 + x% of 480 = 70% of 890**

A. 10%   B. 20%   C. 35%   D. 40%   E. None of these

2. **(624 + 146) × 2 ÷ 77 = ? ÷ (− 2)**

A. 40   B. − 30   C. 25   D. − 50   E. None of these

3. **(5.25 × 6 × 4) ÷ 7 − 2 = $?^2$**

A. 4   B. 6   C. 0   D. 2   E. 9

4. **$(6\sqrt{6} \times 2\sqrt{3} \times 4\sqrt{2}) \div 12 = ? + 123 − 59$**

A. 75   B. 45   C. 80   D. 60   E. None of these

5. **$[(\sqrt{2401} + \sqrt{625}) − (29 + 5)] \div 4 = ?^{1/2}$**

A. 125   B. 169   C. 144   D. 100   E. 121

6. **$0.8 \times 8 \div 0.88 \times \sqrt{121} = ?$**

A. 65   B. 55   C. 80   D. 90   E. None of these

7. **(4326 + 3189 − 5155) = ? × 59**

A. 33   B. 46   C. 96   D. 75   E. None of these

8. **636 × 5 ÷ 6 + 221 ÷ 17 × 13 = ? + 210**

A. 356   B. 412   C. 596   D. 489   E. None of these

9. **$\frac{1}{4}$ of $\frac{3}{2}$ of $\frac{6}{5}$ of 4820 = ? × 3**

A. 623   B. 563   C. 793   D. 673   E. None of these

10. **$4^{12} \times 2^8 \div 16^3 = 16^{?+3} \times 2^4$**

A. 1   B. 3   C. 0   D. 5   E. None of these

Correct Answers:

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

Explanations:

1.

85% of 620 + x% of 480 = 70% of 890

527 + x × 480 ÷ 100 = 623

x × 4.8 = 623 − 527

x × 4.8 = 96

x = 20%

Hence, option B is correct.

2.

$(624 + 146) \times \dfrac{2}{77} = \dfrac{?}{-2}$

$770 \times \dfrac{2}{77} = \dfrac{?}{-2}$

$20 \times (-2) = ?$

? = − 40

Hence, option E is correct.

3.

$$\frac{(5.25 \times 6 \times 4)}{7} - 2 = ?^2$$

$$\frac{126}{7} - 2 = ?^2$$

$$18 - 2 = ?^2$$

$$?^2 = 16$$

$$? = 4$$

Hence, option A is correct.

4.

$$\frac{6\sqrt{6} \times 2\sqrt{3} \times 4\sqrt{2}}{12} = ? + 123 - 59$$

$$? + 64 = \frac{6\sqrt{6} \times 2\sqrt{3} \times 4\sqrt{2}}{12}$$

$$? + 64 = \frac{6 \times 6 \times 2 \times 4}{12}$$

$$? + 64 = 24$$
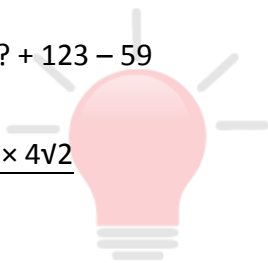
$$? = 24 - 64$$

$$? = -40$$

Hence, option E is correct.

5.

$$\frac{(\sqrt{2401} + \sqrt{625}) - (29 + 5)}{4} = ?^{1/2}$$

$$\frac{(49 + 25) - (34)}{4} = ?^{1/2}$$

$$\frac{74 - 34}{4} = ?^{1/2}$$

$$\frac{40}{4} = ?^{1/2}$$

$$10 = ?^{1/2}$$

$$? = 100$$

Hence, option D is correct.

6.

$$\frac{0.8 \times 8}{0.88} \times \sqrt{121} = ?$$

$$? = \frac{0.8 \times 8}{0.88} \times 11$$

$$? = \frac{80 \times 8}{88} \times 11$$

$$? = 80$$

Hence, option C is correct.

7. $(4326 + 3189 - 5155) = ? \times 59$

$$(7515 - 5155) = ? \times 59$$

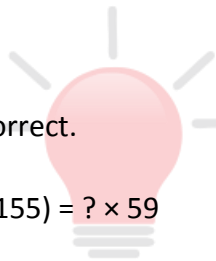$$2360 = ? \times 59$$

$$? = 40$$

Hence, option E is correct.

8.

$$\frac{636 \times 5}{6} + \frac{221}{17 \times 13} = ? + 210$$

$$106 \times 5 + 13 \times 13 = ? + 210$$

$$530 + 169 = ? + 210$$

$$699 - 210 = ?$$

$$? = 489$$

Hence, option D is correct.

9.

$\dfrac{1}{4}$ of $\dfrac{3}{2}$ of $\dfrac{6}{5}$ of 4820 = ? × 3

$\dfrac{1}{4} \times \dfrac{3}{2} \times \dfrac{6}{5}$ of 4820 = ? × 3

2169 = ? × 3
? = 723

Hence, option E is correct.

10.

$\dfrac{4^{12} \times 2^8}{16^3} = 16^{?+3} \times 2^4$

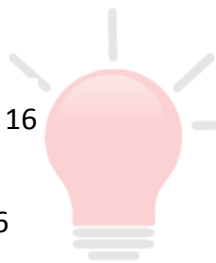$\dfrac{(4^2)^6 \times (2^4)^2}{16^3} = 16^{?+3} \times 16$

$\dfrac{16^6 \times 16^2}{16^3} = 16^{?+3} \times 16$

$16^{6+2-3-1} = 16^{?+3}$
$4 = ? + 3$
$? = 1$

Hence, option A is correct.