

Course: SBI PO Pre

Subject: Simplification

Time: 10 Minutes

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Directions (1-15): दिए गये प्रश्नों में प्रश्न चिन्ह (?) के स्थान पर क्या माना जाएगा?

Q1. $3.2\% \text{ of } 500 \times 2.4\% \text{ of } ? = 288$

- (a) 650
- (b) 700
- (c) 600
- (d) 750
- (e) 850

L1Difficulty 2

QTagsSimplification

QCreatorDeepak Rohilla

Q2. $(-251 \times 21 \times (-12)) \div ? = 158.13$

- (a) 250
- (b) 400
- (c) 300
- (d) 15
- (e) 18

L1Difficulty 2

QTagsSimplification

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Q3. $[(130)^2 \div 25 \times 15] \div 30 = ?$

- (a) 352
- (b) 314
- (c) 326
- (d) 338
- (e) 426

L1Difficulty 2

QTagsSimplification

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Q4. $\frac{510}{?} = \sqrt{324} + \sqrt{256}$

- (a) 20
- (b) 5
- (c) 10
- (d) 15
- (e) 25

L1Difficulty 2

QTagsSimplification

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Q5. $2^{?+2} = 32 \div 1024 \times 128 \div 8 \times 128$

- (a) 6
- (b) 5
- (c) 4
- (d) 8
- (e) 3

L1Difficulty 2

QTagsSimplification

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Q6. $\sqrt{?} + 106 = 70\% \text{ of } 910 - 500$

- (a) 900
- (b) 961
- (c) 1089
- (d) 841
- (e) 980

L1Difficulty 2

QTagsSimplification

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Q7. $(?)^2 = 9^{0.2} \times 729^{0.6} + \sqrt{361}$

- (a) 8
- (a) 9
- (c) 10
- (a) 7
- (a) 6

L1Difficulty 2

QTagsSimplification

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Q8. $2\frac{1}{17} \times 2\frac{3}{7} + 3\frac{2}{5} \div 1\frac{7}{10} = (?)^{1/3}$

- (a) 343
- (b) 216
- (c) 512
- (d) 729
- (e) 323

L1Difficulty 2

QTagsSimplification

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Q9. $\sqrt{\sqrt{6241} + \sqrt{1764}} = (?)^{1/2}$

- (a) 81

(b)100

(c)64

(d)169

(e)121

L1Difficulty 2

QTagsSimplification

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Q10. $\frac{4}{17}$ of $\frac{3}{13}$ of $\frac{7}{11}$ of 7293 =?

(a)287

(b)276

(c)266

(d)252

(e)504

L1Difficulty 2

QTagsSimplification

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Q11. ?% 4800 - $\frac{2}{7}$ of 182 = $\frac{2}{5}$ of 830

(a) 6

(b) 4

(c) 8

(d) 12

(e) 10

L1Difficulty 2

QTagsSimplification

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Q12. $3^{2+3} = 243 \div 9 \times 729$

(a) 10

(b) 8

(c) 6

(d) 5

(e) 9

L1Difficulty 2

QTagsSimplification

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Q13. $0.0009 + 0.009 + 0.999 = ?$

(a) 1.0089

(b) .0089

(c) 2.0089

(d) 1.0088

(e) 3.0089

L1Difficulty 2

QTagsSimplification

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Q14. $2\frac{1}{3} \times 5\frac{3}{8} \times \frac{12}{21} \times 84 = ?$

(a) 621

(b) 610

(c) 702

(d) 602

(e) 502

L1Difficulty 2

QTagsSimplification

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Q15. $9857 + 11839 - 7891 = ? + 10889$

(a) 2916

(b) 3016

(c) 3156

(d) 3316

(e) 3216

L1Difficulty 2

QTagsSimplification

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Solutions

S1. Ans.(d)

Sol.

$$16 \times \frac{2.4}{100} ? = 288$$

$$? = 750$$

S2. Ans.(b)

Sol.

$$\frac{(-251 \times 21 \times (-12))}{?} = \frac{15813}{100}$$

$$? = 400$$

S3. Ans.(d)

Sol.

$$? = \left[\frac{130 \times 130}{25} \times 15 \right] \frac{1}{30} = 338$$

S4. Ans.(d)

Sol.

$$\frac{510}{?} = \sqrt{324} + \sqrt{256}$$

$$\Rightarrow \frac{510}{?} = 18 + 16$$

$$\Rightarrow ? = \frac{510}{34} = 15$$

S5. Ans.(c)

Sol.

$$2^{?+2} = \frac{32}{1024} \times \frac{128}{8} \times 128 = 64 = 2^6$$

$$\Rightarrow ? + 2 = 6 \Rightarrow ? = 4$$

S6. Ans (b)

Sol.

$$\sqrt{?} + 106 = 70\% \text{ of } 910 - 500$$

$$\sqrt{?} = \frac{70}{100} \times 910 - 500 - 106 = 31$$

$$? = 961$$

S7. Ans (c)

Sol.

$$(?)^2 = 9^{0.2} \times 729^{0.6} + \sqrt{361}$$

$$(?)^2 = 9^{0.2} \times (9^3)^{0.6} + 19$$

$$(?)^2 = 9^2 + 19 = 100$$

$$? = \pm 10$$

S8. Ans (a)

Sol.

$$2 \frac{1}{17} \times 2 \frac{3}{7} + 3 \frac{2}{5} \div 1 \frac{7}{10} = (?)^{1/3}$$

$$\frac{35}{17} \times \frac{17}{7} + \frac{17}{5} \div \frac{17}{10} = (?)^{1/3}$$

$$5 + 2 = ?^{1/3}$$

$$? = 343$$

S9. Ans (e)

Sol.

$$\sqrt{\sqrt{6241} + \sqrt{1764}} = (?)^{1/2}$$

$$\sqrt{79 + 42} = (?)^{1/2}$$

$$? = 121$$

S10. Ans (d)

Sol.

$$\frac{4}{17} \text{ of } \frac{3}{13} \text{ of } \frac{7}{11} \text{ of } 7293 = ?$$

$$\frac{4}{17} \times \frac{3}{13} \times \frac{7}{11} \times 7293 = ?$$

$$? = 252$$

S11. Ans.(c)

Sol.

$$? \times 48 = 332 + 52$$

$$\Rightarrow ? = \frac{384}{48}$$

$$\Rightarrow ? = 8$$

S12. Ans.(c)

Sol.

$$3^{?+3} = 3^9$$

$$\Rightarrow ? = 6$$

S13. Ans.(a)

Sol.

$$? = 1.0089$$

S14. Ans.(d)

Sol.

$$\begin{aligned} ? &= \frac{7}{3} \times \frac{43}{8} \times \frac{12}{21} \times 84 \\ &= 602 \end{aligned}$$

S15. Ans.(a)

Sol.

$$? = 21696 - 18780$$

$$? = 2916$$