

Course: SBI PO Pre

Subject: Simplification

Time:10 Minutes

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Directions (1-15): निम्नलिखित प्रश्नों में प्रश्नवाचक चिन्ह (?) के स्थान पर क्या मान आना चाहिए?

Q1. $(2 \times 3)^3 \div (4 \times 9)^2 \times (27 \times 8)^2 = (6)^?$

- (a) 5
- (b) 6
- (c) 3
- (d) 8
- (e) 7

L1Difficulty 2

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Q2. $454.58 - 376.89 + 121.45 - 95.42 = ?$

- (a) 102.22
- (b) 103.72
- (c) 91.72
- (d) 92.32
- (e) 104.42

L1Difficulty 2

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Q3. $\sqrt{576} \div (4)^2 \times 7.4 + (7)^3 - 231 = ?$

- (a) 123.9
- (b) 121.1
- (c) 111.4
- (d) 122.1
- (e) 123.1

L1Difficulty 2

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Q4. $[(84)^2 \div 28 \times 12] \div 24 = 7 \times ?$

- (a) 15
- (b) 17
- (c) 18

(d) 21

(e) 24

L1Difficulty 2

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Q5. (134 का 7.9%) - (79 का 3.4%) =?

(a) 8.1

(b) 7.9

(c) 8.6

(d) 7.3

(e) 6.8

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Q6. $[(192)^2 \div 64 \times 24] \div 48 = \sqrt{?}$

(a) 83000

(b) 82944

(c) 82954

(d) 82950

(e) 82590

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Q7. 9450 के $\frac{2}{3}$ के $\frac{2}{5}$ के $\frac{2}{9}$ के $\frac{2}{7}$ का 30% =?

(a) 32

(b) 36

(c) 42

(d) 48

(e) 52

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Q8. $\left(\frac{1}{1024}\right)^{\frac{-2}{5}} + \left(\frac{1}{343}\right)^{\frac{-2}{3}} = ? \times 5$

(a) 65

(b) 42

(c) 13

(d) 21

(e) 27

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Q9. 40 का 3.5% + 80 का 3.5% = 10 का ? %

- (a) 30
- (b) 32
- (c) 36
- (d) 40
- (e) 42

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Q10. $1\frac{7}{9} + 2\frac{5}{3} + 3\frac{1}{9} - 4\frac{1}{5} = ?$

- (a) $2\frac{13}{45}$
- (b) $3\frac{17}{45}$
- (c) $4\frac{16}{45}$
- (d) $4\frac{17}{45}$
- (e) $4\frac{13}{45}$

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Q11. $7960 + 2956 - 8050 + 4028 = ?$

- (a) 6984
- (b) 6884
- (c) 6894
- (d) 6954
- (e) 7894

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Q12. $25 \times 3.25 + 50.4 \div 24 = ?$

- (a) 84.50
- (b) 83.35
- (c) 83.53
- (d) 82.45
- (e) 92.84

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Q13. ? का 350% \div 50 + 248 = 591

(a) 4900

(b) 4890

(c) 4850

(d) 4950

(e) 4750

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Q14. 3842 का $\frac{1}{2}$ + ? का 15% = 2449

(a) 3520

(b) 3250

(c) 3350

(d) 3540

(e) 2850

L1Difficulty 2

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Q15. $(833.25 - 384.45) \div 24 = ?$

(a) 1.87

(b) 20.1

(c) 2.01

(d) 18.7

(e) 16.7

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Solutions

S1. Ans.(a)

Sol. $(6)^? = (6)^3 \div 6^4 \times 6^6$

$$\Rightarrow (6)^? = 6^{3-4+6}$$

$\Rightarrow ? = 5$

S2. Ans.(b)

Sol. ? = 576.03 - 472.31

= 103.72

S3. Ans.(e)

Sol. ? = $24 \div 16 \times 7.4 + 343 - 231$

= 11.1 + 112

= 123.1

S4. Ans.(c)

$$\begin{aligned}\text{Sol. } 7 \times ? &= \frac{84 \times 84}{28} \times 12 \times \frac{1}{24} \\ ? &= 18\end{aligned}$$

S5. Ans.(b)

$$\begin{aligned}\text{Sol. } ? &= \frac{7.9}{100} \times 134 - \frac{3.4}{100} \times 79 \\ &= 7.9\end{aligned}$$

S6. Ans.(b)

Sol.

$$\sqrt{?} = \frac{36864}{64} \times 24 \times \frac{1}{48} = 288$$

$$\therefore ? = 82944$$

S7. Ans.(d)

Sol.

$$? = \frac{30}{100} \times \frac{2}{7} \times \frac{2}{9} \times \frac{2}{5} \times \frac{2}{3} \times 9450 = 48$$

S8. Ans.(c)

Sol.

$$? \times 5 = (4)^{-5 \times \frac{-2}{5}} + (7)^{-3 \times \frac{-2}{3}}$$

$$\text{or, } ? = \frac{16+49}{5} = 13$$

S9. Ans.(e)

Sol.

$$? = \frac{1.4 + 2.8}{10} \times 100 = 42$$

S10. Ans.(c)

Sol.

$$? = (1 + 2 + 3 - 4) + \left(\frac{7}{9} + \frac{5}{3} + \frac{1}{9} - \frac{1}{5} \right) = 2 + \frac{106}{45} = 4 \frac{16}{45}$$

S11. Ans.(c)

$$\text{Sol. } ? = 6894$$

S12. Ans.(b)

$$\text{Sol. } ? = 81.25 + 2.1$$

$$= 83.35$$

S13. Ans.(a)

$$\text{Sol. } 350 \times \frac{?}{100} \times \frac{1}{50} = 343$$

$$\Rightarrow ? = 4900$$

S14. Ans.(a)

$$\text{Sol. } \frac{1}{2} \times 3842 + \frac{15}{100} \times ? = 2449$$

$$\Rightarrow ? = \frac{528 \times 100}{15}$$

$$\Rightarrow ? = 3520$$

S15. Ans.(d)

$$\text{Sol. } ? = \frac{448.8}{24}$$

$$? = 18.7$$