

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 आएगा?

Q1. $(21)^2 - 3717 \div 59 = ? \times 8$

(a) 43.75

(b) 42.25

(c) 45.75

(d) 47.25

(e) 44.25

L1Difficulty 2

QTagsSimplification

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Q2. $2\frac{1}{2} - 1\frac{1}{16} = ? + 1\frac{1}{32} - 1\frac{9}{64}$

(a) $2\frac{9}{32}$

(b) $1\frac{9}{64}$

(c) $2\frac{5}{32}$

(d) $1\frac{11}{64}$

(e) $1\frac{35}{64}$

L1Difficulty 2

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Q3. $0.008 \times 0.01 \times 0.0072 \div (0.12 \times 0.0004) = ?$

(a) 1.2

(b) 1.02

(c) 0.12

(d) 0.012

(e) 0.0012

L1Difficulty 2

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Q4. $8\frac{2}{7}$ of $[4963 - 3395] + 265.75 = ? + 2455.6$

- (a) 10354.15
- (b) 10578.15
- (c) 10802.15
- (d) 11250.15
- (e) 10280.15

L1Difficulty 2

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Q5. $(1.06 + 0.04)^2 - ? = 4 \times 1.06 \times 0.04$

- (a) 1.0402
- (b) 1.4
- (c) 1.5
- (d) Can't be determined
- (e) 1.0404

L1Difficulty 2

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Q6. $2\frac{3}{4} \div 3\frac{3}{4} \times \frac{125}{16} \times 256 = ?$

- (a) $1466\frac{2}{3}$
- (b) $1571\frac{2}{3}$
- (c) 1509
- (d) $373\frac{5}{11}$
- (e) 1511

L1Difficulty 2

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Q7. $9999 \div 99 \times 73 + 251 = ?$

- (a) 6578
- (b) 8264
- (c) 7624
- (d) 5024
- (e) 6724

L1Difficulty 2

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Q8.
$$\frac{(0.7)^4 - (0.5)^4}{(0.7)^3 - (0.5)^3} = ?$$

(a) 713/653

(b) 65/71

(c) 121

(d) 851/744

(e) 444/545

L1Difficulty 2

QTagsSimplification

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Q9. $36\% \text{ of } 545 + 32\% \text{ of } 215 - 47\% \text{ of } 1300 = ?$

(a) 643

(b) 346

(c) -411

(d) -346

(e) 436

L1Difficulty 2

QTagsSimplification

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Q10. $\sqrt{1225} \div \sqrt[3]{343} \times 45\% \text{ of } 760 = ?$

(a) 1170

(b) 1730

(c) 1510

(d) 1710

(e) 1150

L1Difficulty 2

QTagsSimplification

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Q11. $621 \times ? \times 6 = 152766$

(a) 39

(b) 43

(c) 47

(d) 41

(e) 46

L1Difficulty 2

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Q12. $[(40)^3 \div 80 \times 16] \div 25 = 32 \times ?$

- (a) 12
- (b) 15
- (c) 18
- (d) 21
- (e) 16

L1Difficulty 2

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Q13. $6784 + 2213 + 844 - ? = 6743 + 775$

- (a) 2332
- (b) 2323
- (c) 2343
- (d) 2442
- (e) 2424

L1Difficulty 2

QTagsSimplification

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Q14. $11960 \div ? = 65 \times 23$

- (a) 6
- (b) 11
- (c) 3
- (d) 8
- (e) 12

L1Difficulty 2

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Q15. $\frac{?}{1089} = \frac{64}{?}$

- (a) 264
- (b) 258
- (c) 236
- (d) 244
- (e) 246

L1Difficulty 2

QTagsSimplification

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Solutions

S1. Ans.(d)

$$441 - 63 = ? \times 8$$

Sol. $? = 47.25$

S2. Ans.(e)

$$\frac{23}{16} = ? - \frac{7}{64}$$

$$? = \frac{23}{16} + \frac{7}{64} = \frac{92+7}{64}$$

$$? = \frac{99}{64} = 1 \frac{35}{64}$$

Sol.

S3. Ans.(d)

Sol.

$$? = \frac{8 \times 1 \times 72 \times 10^6}{12 \times 4 \times 10^9} = 0.012$$

S4. Ans.(c)

$$\left(\frac{58}{7} \times 1568\right) + 265.75 - 2455.6 = ?$$

$$? = 13257.75 - 2455.6$$

$$? = 10802.15$$

Sol.

S5. Ans.(e)

$$(1.1)^2 - (4.24 \times 0.04) = ?$$

Sol. Or, $? = 1.0404$

S6. Ans.(a)

$$? = \frac{11}{4} \times \frac{4}{15} \times \frac{125}{16} \times 256$$

$$= \frac{4400}{3}$$

$$= 1466 \frac{2}{3}$$

Sol.

S7. Ans.(c)

$$? = 101 \times 73 + 251$$

$$= 7373 + 251$$

$$= 7624$$

Sol.

S8. Ans.(e)

$$\begin{aligned}
 ? &= \frac{(0.7 - 0.5)(0.7 + 0.5)(0.7^2 + 0.5^2)}{(0.7 - 0.5)(0.7^2 + 0.7 \times 0.5 + 0.5^2)} \\
 ? &= \frac{1.2 \times 0.74}{1.09} \\
 ? &= \frac{88.8}{109} \\
 ? &= \frac{444}{545}
 \end{aligned}$$

Sol.

S9. Ans.(d)

$$\begin{aligned}
 ? &= \frac{36}{100} \times 545 + \frac{32}{100} \times 215 - \frac{47}{100} \times 1300 \\
 &= 196.2 + 68.8 - 611
 \end{aligned}$$

Sol. = -346

S10. Ans.(d)

$$\text{Sol. } ? = 35 \div 7 \times 342 = 1710$$

S11. Ans.(d)

$$621 \times ? \times 6 = 152766$$

$$\Rightarrow ? = 41$$

Sol.

S12. Ans.(e)

$$\left[\frac{40 \times 40 \times 40}{80} \times 16 \right] \times \frac{1}{25} = 32 \times ?$$

$$\Rightarrow ? = \frac{512}{32}$$

Sol. $\Rightarrow ? = 16$

S13. Ans.(b)

$$\begin{aligned}
 ? &= (6784 + 2213 + 844) - (6743 + 775) \\
 &= 9841 - 7518
 \end{aligned}$$

Sol. = 2323

S14. Ans.(d)

$$11960 \div ? = 65 \times 23$$

Sol. $\Rightarrow ? = 8$

S15. Ans.(a)

$$?^2 = 64 \times 1089$$

$$\Rightarrow ? = \sqrt{64 \times 1089} = 8 \times 33 = 264$$

Sol.