

Course: SBI PO Pre

Subject: Simplification and Approximation

Time: 10 Minutes

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Directions (1-5): निम्नलिखित प्रश्नों में प्रश्नवाचक चिन्ह (?) के स्थान पर क्या अनुमानित मान आएगा? (सटीक मान की गणना करना अपेक्षित नहीं है।)

Q1.  $\frac{150}{17} \times \frac{199}{13} \div \frac{16}{91} = ?$

- (a) 650
- (b) 700
- (c) 770
- (d) 820
- (e) 850

L1Difficulty 2

QTagsApproximation

QCreatorDeepak Rohilla

Q2.  $151.011 - 419.999 + 649.991 = ?$

- (a) 380
- (b) 420
- (c) 350
- (d) 410
- (e) 360

L1Difficulty 2

QTagsApproximation

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Q3.  $1299 \div 19.99 \times 25.01 + 400.01 = ?$

- (a) 2025
- (b) 2300
- (c) 1925
- (d) 2200
- (e) 1700

L1Difficulty 2

QTagsApproximation

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Q4.  $\sqrt{5183.98} \div \sqrt{36} = ?$

- (a) 21
- (b) 6

(c) 12

(d) 18

(e) 26

L1Difficulty 2

QTagsApproximation

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Q5.  $48.01 \times 34.9 \div 2.95 = ?$

(a) 576

(b) 591

(c) 582

(d) 553

(e) 560

L1Difficulty 2

QTagsApproximation

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Directions (6-15): निम्नलिखित प्रश्नों में प्रश्नवाचक चिन्ह (?) के स्थान पर क्या मान आएगा?

Q6.  $8743 + 486 \div 18 \times 148 = ?$

(a) 13729

(b) 12739

(c) 12729

(d) 13279

(e) 14279

L1Difficulty 2

QTagsSimplification

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Q7.  $6348 + 8515 - 695 - ? = 4312 + 2162$

(a) 7394

(b) 7943

(c) 7439

(d) 7434

(e) 7694

L1Difficulty 2

QTagsSimplification

QCreatorDeepak Rohilla

Q8.  $18.6 \times 3 + 7.2 - 16.5 = ? + 21.7$

(a) 35.7

(b) 21.6

(c) 24.8

(d) 27.6

(e) 33.6

L1Difficulty 2  
QTagsSimplification  
QCreatorDeepak Rohilla

Q9.  $56\%$  of  $225 + 20\%$  of  $150 = ? - 109$

- (a) 149
- (b) 103
- (c) 253
- (d) 247
- (e) 265

L1Difficulty 2  
QTagsSimplification  
QCreatorDeepak Rohilla

Q10.  $80\%$  of  $650 - 25\%$  of  $? = 60\%$  of  $440$

- (a) 1210
- (b) 1024
- (c) 1035
- (d) 1004
- (e) 1008

L1Difficulty 2  
QTagsSimplification  
QCreatorDeepak Rohilla

Q11.  $13\%$  of  $1100 + 17\%$  of  $2100 = ? + 26\%$  of  $350$

- (a) 409
- (b) 411
- (c) 413
- (d) 415
- (e) 417

L1Difficulty 2  
QTagsSimplification  
QCreatorDeepak Rohilla

Q12.  $\frac{1}{3}$  of  $? + \frac{4}{7}$  of  $\frac{11}{14}$  of  $539 = 31\%$  of  $2000$

- (a) 1234
- (b) 1134
- (c) 1186
- (d) 1143
- (e) 1320

L1Difficulty 2  
QTagsSimplification  
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Q13.  $\sqrt[4]{62,50,000} - \sqrt[3]{3375} = \sqrt{?}$

- (a) 1296
- (b) 1156
- (c) 1369
- (d) 1225
- (e) 1245

L1Difficulty 2

QTagsSimplification

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Q14.  $1\frac{2}{5} + 2\frac{1}{7} = ? + 2\frac{1}{2}$

- (a)  $3\frac{3}{70}$
- (b)  $3\frac{4}{35}$
- (c)  $2\frac{3}{70}$
- (d)  $1\frac{17}{70}$
- (e)  $1\frac{3}{70}$

L1Difficulty 2

QTagsSimplification

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Q15.  $\sqrt{3136} + \sqrt{625} = ?^2$

- (a) 8
- (b) 11
- (c) 9
- (d) 7
- (e) 15

L1Difficulty 2

QTagsSimplification

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## Solutions

S1. Ans.(c)

$$? \simeq \frac{150}{17} \times \frac{200}{13} \times \frac{91}{16}$$

$$? \simeq 772.05$$

Sol.  $? \simeq 770$

S2. Ans.(a)

$$? \simeq 151 - 420 + 650$$

$$? \simeq 381$$

Sol. In options, the nearest value is 380

S3. Ans.(a)

$$? \simeq 1300 \div 20 \times 25 + 400$$

Sol.  $? \simeq 2025$

S4. Ans.(c)

$$? \simeq \sqrt{5184} \div \sqrt{36}$$

$$? \simeq 72 \div 6$$

Sol.  $? \simeq 12$

S5. Ans.(e)

$$? \simeq 48 \times 35 \div 3$$

Sol.  $? \simeq 560$

S6. Ans.(b)

Sol.

$$? = 8743 + 27 \times 148 = 8743 + 3996 = 12739$$

S7. Ans.(e)

Sol.

$$14168 - ? = 6474$$

$$\text{Or, } ? = 14168 - 6474 = 7694$$

S8. Ans.(c)

Sol.

$$? = 55.8 + 7.2 - 38.2 = 24.8$$

S9. Ans.(e)

Sol.

$$? = 126 + 30 + 109 = 265$$

S10. Ans.(b)

$$25\% \text{ of } ? = 520 - 264$$

$$\text{Or, } ? = 256 \times \frac{100}{25} = 1024$$

Sol.

S11. Ans.(a)

$$? = 13 \times 11 + 17 \times 21 - 26 \times 3.5$$
$$= 409$$

Sol.

S12. Ans.(b)

$$\frac{1}{3} \times ? + \frac{4}{7} \times \frac{11}{14} \times 539 = 31 \times 20$$

$$? = 378 \times 3$$
$$= 1134$$

Sol.

S13. Ans.(d)

$$\sqrt{?} = 50 - 15$$
$$= 35$$

Sol.  $\therefore ? = 1225$

S14. Ans.(e)

$$? = (1 + 2 - 2) + \frac{2}{5} + \frac{1}{7} - \frac{1}{2}$$
$$= 1 + \frac{3}{70}$$
$$= 1 \frac{3}{70}$$

Sol.

S15. Ans.(c)

$$?^2 = 56 + 25$$
$$= 81$$

Sol.  $\therefore ? = \pm 9$