

Course: SBI PO Pre

Subject: Missing Series and Simplification

Time:10 Minutes

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Directions (1-5): निम्नलिखित संख्या श्रृंखला में प्रश्नवाचक चिह्न (?) के स्थान पर क्या मान आएगा?

Q1. 7, 16, 21, 70, 79, ?

- (a) 200
- (b) 121
- (c) 198
- (d) 90
- (e) 151

L1Difficulty 2

QTagsMISSING SERIES Quant

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Q2. 10395, 6930, 2772, 792, 176, ?

- (a) 64
- (b) 16
- (c) 32
- (d) 8
- (e) 128

L1Difficulty 2

QTagsMISSING SERIES Quant

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Q3. 7, 17, 38, 81, 168, ?

- (a) 336
- (b) 343
- (c) 340
- (d) 320
- (e) 341

L1Difficulty 2

QTagsMISSING SERIES Quant

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Q4. 21, 32, 17, 38, 13, 44, ?

- (a) 7
- (b) 11
- (c) 10
- (d) 13

(e) 9

L1Difficulty 2

QTagsMISSING SERIES Quant

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Q5. 35, ?, 105, 160, 231, 320

(a) 63

(b) 64

(c) 55

(d) 58

(e) 75

L1Difficulty 2

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**Directions (6-11): निम्नलिखित प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर क्या मान आना चाहिए?**

Q6.  $\left(\frac{2^5+3^5}{5^2}\right)^2 = \frac{?}{2}$

(a) 121

(b) 11

(c) 242

(d) 42

(e) 150

L1Difficulty 2

QTagsSimplification

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Q7.  $(244 + 21) \times 13 \div 106$  of  $50 \times 100 = ?$

(a) 65

(b) 75

(c) 162500

(d) 0.0065

(e) 0.0075

L1Difficulty 2

QTagsSimplification

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Q8.  $\frac{100}{85}$  of  $153 + 2343 - (699 - 170)^{\frac{1}{2}} = (?)^2$

(a) 60

(b) 55

(c) 45

(d) 50

(e) 44

L1Difficulty 2

QTagsSimplification  
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$$Q9. 107 + \frac{3}{8} \text{ of } 168 \times (6.75\% \text{ of } 400)^2 = 1098 \div 18 + 2197 - 1872 - 90$$

- (a)  $\frac{1}{2}$
- (b) 1
- (c)  $\frac{1}{3}$
- (d)  $\frac{1}{4}$
- (e)  $\frac{1}{7}$

L1Difficulty 2

QTagsSimplification  
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$$Q10. \frac{5}{6} \div \frac{6}{7} \times ? - \left(88\frac{8}{9}\% \text{ of } 1\right) \div 1\frac{3}{5} + \frac{3}{4} \times 3\frac{1}{3} = 2\frac{7}{9}$$

- (a)  $\frac{5}{6}$
- (b)  $\frac{6}{7}$
- (c)  $\frac{7}{6}$
- (d)  $\frac{6}{5}$
- (e)  $\frac{3}{8}$

L1Difficulty 2

QTagsSimplification  
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$$Q11. 120\% \text{ of } 2000 + (36)^2 - 60\% \text{ of } 3000 = (50)^2 - ?$$

- (a) 600
- (b) 582
- (c) 604
- (d) 648
- (e) 564

L1Difficulty 2

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**Directions (12-15):** निम्नलिखित संख्या श्रृंखला प्रश्नों में प्रश्नवाचक चिह्न (?) के स्थान पर क्या मान आएगा?

$$Q12. 25, 33, 46, 69, 112, ?$$

- (a) 175
- (b) 180
- (c) 185

(d) 190

(e) 195

L1Difficulty 2

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Q13. ?, 5, 12, 39, 160, 805

(a) 2

(b) 4

(c) 3

(d) 5

(e) 1

L1Difficulty 2

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Q14. ?, 10, 20, 46, 96, 178

(a) 6

(b) 7

(c) 8

(d) 9

(e) 5

L1Difficulty 2

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Q15. 2160, ?, 360, 180, 60, 30

(a) 1080

(b) 720

(c) 900

(d) 810

(e) 1440

L1Difficulty 2

QTagsMISSING SERIES Quant

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## Solutions

S1. Ans.(a)

Sol.

Series is —

$+3^2, +5, +7^2, +9, +11^2$

$\Rightarrow ? = 79 + 121 = 200$

S2. Ans.(c)

Sol.

$$\times \frac{2}{3}, \times \frac{2}{5}, \times \frac{2}{7}, \times \frac{2}{9}, \times \frac{2}{11}$$

$$\Rightarrow ? = 176 \times \frac{2}{11} = 32$$

S3. Ans.(b)

Sol.

Series is —

$$\times 2+3, \times 2+4, \times 2+5, \dots$$

$$\Rightarrow ? = 168 \times 2 + 7 = 343$$

S4. Ans.(e)

Sol.

Series is —

$$+11, -15, +21, -25, +31, -35$$

$$\Rightarrow ? = 44 - 35 = 9$$

S5. Ans.(b)

Sol.

Series is —

$$+(5^2+4), +(6^2+5), +(7^2+6), \dots$$

$$\Rightarrow ? = 35 + (5^2 + 4) = 64$$

S6. Ans.(c)

Sol.

$$\left(\frac{32 + 243}{25}\right)^2 = \frac{(?)}{2}$$

$$? = 242$$

S7. Ans.(a)

Sol.

$$\frac{265 \times 13}{106 \times 50} \times 100 = ?$$

$$? = 65$$

S8. Ans.(d)

Sol.

$$\frac{153 \times 100}{85} + 2343 - (529)^{\frac{1}{2}} = (?)^2$$

$$180 + 2343 - 23 = (?)^2$$

$$? = 50$$

S9. Ans. (c)

$$\text{Sol. } 63 \times (27)^? = 296 - 107$$

$$? = \frac{1}{3}$$

S10. Ans. (b)

Sol.  $\frac{35}{36} \times ? = \frac{30}{9} - \frac{5}{2}$

$$? = \frac{6}{7}$$

S11. Ans.(c)

Sol.

$$\frac{120}{100} \times 2000 + (36)^2 - \frac{60}{100} \times 3000 = (50)^2 - ?$$

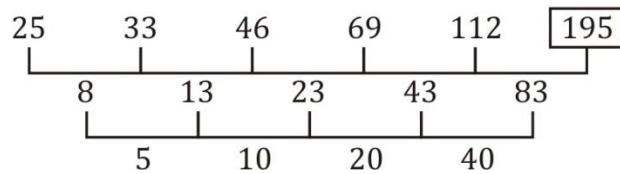
$$2400 + 1296 - 1800 = 2500 - ?$$

$$2500 - 1896 = ?$$

$$? = 604$$

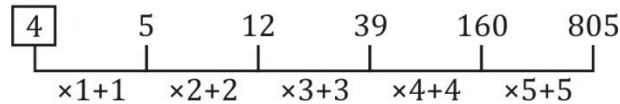
S12. Ans.(e)

Sol.



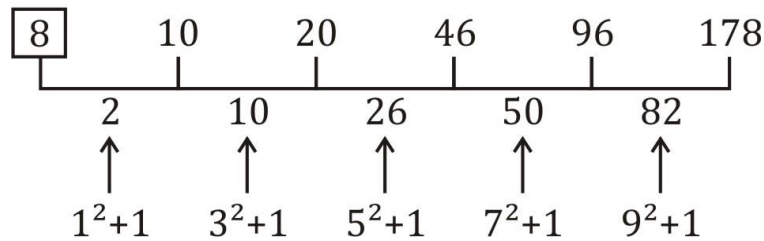
S13. Ans.(b)

Sol.



S14. Ans.(c)

Sol.



S15. Ans.(a)

Sol.

