

Course: SBI PO Pre

Subject: Number Series

Time: 15 Minutes

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Directions (1-5): निम्नलिखित में से कौन-सी संख्या गलत है जो दिए गए श्रृंखला में पैटर्न का अनुसरण नहीं करती है?

Q1. 2, 3, 6, 18, 109, 1944, 209952

(a) 3

(b) 6

(c) 18

(d) 109

(e) 1944

L1Difficulty 2

QTagsWrong Series

QCreatorDeepak Rohilla

Q2. 2, 13, 27, 113, 561, 3369, 23581

(a) 13

(b) 27

(c) 113

(d) 561

(e) 3369

L1Difficulty 2

QTagsWrong Series

QCreatorDeepak Rohilla

Q3. 3, 9, 23, 99, 479, 2881, 20159

(a) 9

(b) 23

(c) 99

(d) 479

(e) 2881

L1Difficulty 2

QTagsWrong Series

QCreatorDeepak Rohilla

Q4. 2, 8, 32, 148, 765, 4626, 32431

(a) 8

(b) 148

(c) 765

(d) 32

(e) 32431

L1Difficulty 2

QTagsWrong Series

QCreatorDeepak Rohilla

Q5. 2, 3, 11, 38, 102, 229, 443

(a) 11

(b) 229

(c) 102

(d) 38

(e) 3

L1Difficulty 2

QTagsWrong Series

QCreatorDeepak Rohilla

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

Q6. 1024, 1156, 1296, 1444, ?

(a) 1936

(b) 1764

(c) 1600

(d) 784

(e) 1681

L1Difficulty 2

QTagsMISSING SERIES Quant

QCreatorDeepak Rohilla

Q7. 2.5, 8, 17.5, 36, ?, 130

(a) 68.5

(b) 72

(c) 69.5

(d) 70.5

(e) 70

L1Difficulty 2

QTagsMISSING SERIES Quant

QCreatorDeepak Rohilla

Q8. 512, 128, 32, 8, 2, ?

(a) 0.5

(b) 1

(c) 2

(d) 1.5

(e) 4

L1Difficulty 2

QTagsMISSING SERIES Quant

QCreatorDeepak Rohilla

Q9. 9, 8, 24, 53, 54, 83, 99, ?

(a) 102

(b) 96

(c) 98

(d) 100

(e) 94

L1Difficulty 2

QTagsMISSING SERIES Quant

QCreatorDeepak Rohilla

Q10. 1, 3, 15, 95, 767, ?

(a) 7679

(b) 7697

(c) 7579

(d) 6911

(e) 8447

L1Difficulty 2

QTagsMISSING SERIES Quant

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Q11. 63, 124, 215, 342, ?, 728

(a) 727

(b) 513

(c) 511

(d) 509

(e) 507

L1Difficulty 2

QTagsMISSING SERIES Quant

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Q12. 5, 9, 18, 43, 92, ?, 382

(a) 252

(b) 183

(c) 227

(d) 213

(e) 206

L1Difficulty 2

QTagsMISSING SERIES Quant

QCreatorDeepak Rohilla

Q13. 9, 18, 6, 12, 4, ?

(a) 16

(b) 2

(c) 1

(d) 10

(e) 8

L1Difficulty 2

QTagsMISSING SERIES Quant

QCreatorDeepak Rohilla

Q14. 3.5, 12, 22.5, 36, 54.5, ?

(a) 78

(b) 80

(c) 80.5

(d) 82.5

(e) 84.5

L1Difficulty 2

QTagsMISSING SERIES Quant

QCreatorDeepak Rohilla

Q15. 2, 1.5, 2.5, 5.25, 12.5, ?

(a) 37.25

(b) 40

(c) 33.25

(d) 26.5

(e) 33.75

L1Difficulty 2

QTagsMISSING SERIES Quant

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## Solutions

S1. Ans.(d)

Given series :

$$2 \times 3 = 6$$

$$3 \times 6 = 18$$

$$18 \times 6 = 108 \neq \boxed{109}$$

$$108 \times 18 = 1944$$

Sol.

S2. Ans.(a)

Pattern is :

$$2 \times 2 + 7 = 11 \neq \boxed{13}$$

$$11 \times 3 - 6 = 27$$

$$27 \times 4 + 5 = 113$$

$$113 \times 5 - 4 = 561$$

Sol.

S3. Ans.(c)

Given series is :

$$3 \times 2 + 3 = 9$$

$$9 \times 3 - 4 = 23$$

$$23 \times 4 + 5 = 97 \neq \boxed{99}$$

Sol.  $97 \times 5 - 6 = 479$

S4. Ans.(d)

Series :

$$2 \times 2 + 2^2 = 8$$

$$8 \times 3 + 3^2 = 33 \neq \boxed{32}$$

$$33 \times 4 + 4^2 = 148$$

Sol.

S5. Ans.(b)

$$2 \xrightarrow{+1^3} 3 \xrightarrow{+2^3} 11 \xrightarrow{+3^3} 38 \xrightarrow{+4^3} 102 \xrightarrow{+5^3} \boxed{229} \xrightarrow{+6^3} 443$$

$$102 + 125 = 227$$

$\therefore$  229 is wrong. It should be replaced by 227.

Sol.

S6. Ans.(c)

Series is  $32^2, 34^2, 36^2, 38^2, 40^2, \dots$

Sol.  $\therefore ? = 40^2 = 1600$

S7. Ans.(d)

Pattern is

$$+5.5, +9.5, +18.5, +34.5, +59.5 \dots$$

$$\therefore ? = 36 + 34.5 = 70.5$$

Sol.

S8. Ans.(a)

Pattern is

$$\div 4, \div 4, \div 4, \div 4, \dots$$

Sol.  $\therefore ? = 2 \div 4 = 0.5$

S9. Ans.(c)

$$\begin{array}{ccccccc} & & +45 & & +30 & & +15 \\ & & \downarrow & & \downarrow & & \downarrow \\ 9 & 8 & 24 & 53 & 54 & 83 & 99 & \boxed{98} \\ \uparrow & & \uparrow & & \uparrow & & \uparrow & \\ +15 & & +30 & & +45 & & & \end{array}$$

Sol.

S10. Ans.(a)

Pattern is-

$$\times 2 + 1, \times 4 + 3, \times 6 + 5, \times 8 + 7, \times 10 + 9 \dots$$

Sol.  $\therefore ? = 767 \times 10 + 9 = 7679$

S11. Ans.(c)

Series is

$$4^3 - 1, 5^3 - 1, 6^3 - 1, 7^3 - 1, 8^3 - 1, 9^3 - 1$$

Sol.  $\therefore ? = 8^3 - 1 = 511$

S12. Ans.(d)

Pattern is

$$+4, +9, +25, +49, +121, +169$$

Sol.  $\therefore ? = 92 + 121 = 213$

S13. Ans.(e)

Pattern is

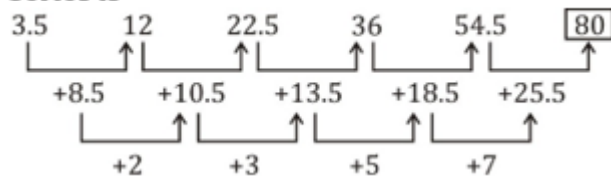
$$\times 2, \div 3, \times 2, \div 3, \times 2, \div 3$$

$$\therefore ? = 4 \times 2 = 8$$

Sol.

S14. Ans.(b)

Series is



Sol.

S15. Ans.(e)

Sol. Pattern is

$$\times 0.5 + 0.5, \times 1 + 1, \times 1.5 + 1.5, \times 2 + 2, \times 2.5 + 2.5$$

$$\therefore ? = 12.5 \times 2.5 + 2.5$$

$$= 33.75$$