



 *Mahendra's*

UP Police कांस्टेबल

REASONING

NUMBER SERIES

एकदम शुरु से...



 **4:00 PM**

LIVE 



UPCOMING ONLINE BATCHES

January 2022

05 Jan 2022

08:00 AM to 10:00 AM

BANK ONLINE LIVE CLASS

10:30 AM to 12:30 PM

SSC ONLINE LIVE CLASS

01:00 PM to 03:00 PM

SSC ONLINE LIVE CLASS

05:30 PM to 07:30 PM

BANK ONLINE LIVE CLASS

BILINGUAL

12 Jan 2022

08:00 AM to 10:00 AM

SSC ONLINE LIVE CLASS

10:30 AM to 12:30 PM

BANK ONLINE LIVE CLASS

03:00 PM to 05:00 PM

BANK ONLINE LIVE CLASS

05:30 PM to 07:30 PM

SSC ONLINE LIVE CLASS

BILINGUAL

19 Jan 2022

08:00 AM to 10:00 AM

BANK ONLINE LIVE CLASS

01:00 PM to 03:00 PM

BANK ONLINE LIVE CLASS

03:00 PM to 05:00 PM

SSC ONLINE LIVE CLASS

07:30 PM to 09:30 PM

SSC ONLINE LIVE CLASS

BILINGUAL

27 Jan 2022

10:30 AM to 12:30 PM

BANK ONLINE LIVE CLASS

07:30 PM to 09:30 PM

BANK ONLINE LIVE CLASS

08:00 AM to 10:00 AM

SSC ONLINE LIVE CLASS

01:00 PM to 03:00 PM

SSC ONLINE LIVE CLASS

BILINGUAL



TOPICS DISCUSSION

- Blood Relation(1Q)
- Coding-decoding(1-2Q)
- Sitting arrangement(2Q)
- Missing number(1-2Q)
- Alphabetical Series(1Q)
- Word formation(1Q)
- Number series(2Q)
- Analogy and classification (1Q)
- Direction(2Q)
- Blood relation(1Q)
- Venn diagram(1Q)

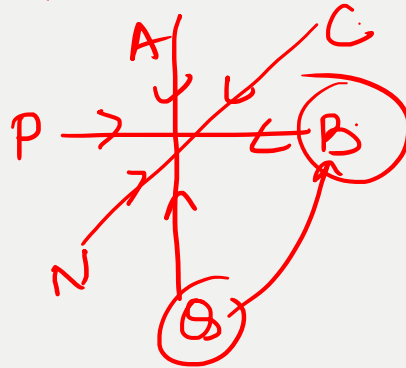
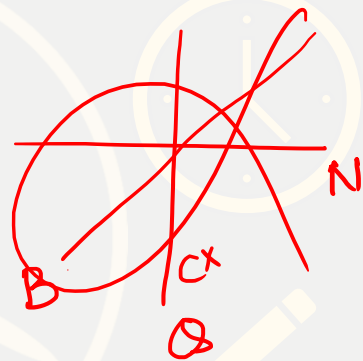
*Telegram channel: @ReasoningMahendraslive
@DeeptiMahendrasReasoning*

- Mirror image and water image(2Q)
- Figure embedded(1Q)
- Arithmetic reasoning(2Q)
- Clock(1Q)
- Calendar(1Q)
- Figure counting(1Q)
- Syllogism(2Q)
- Logical Reasoning(3Q)

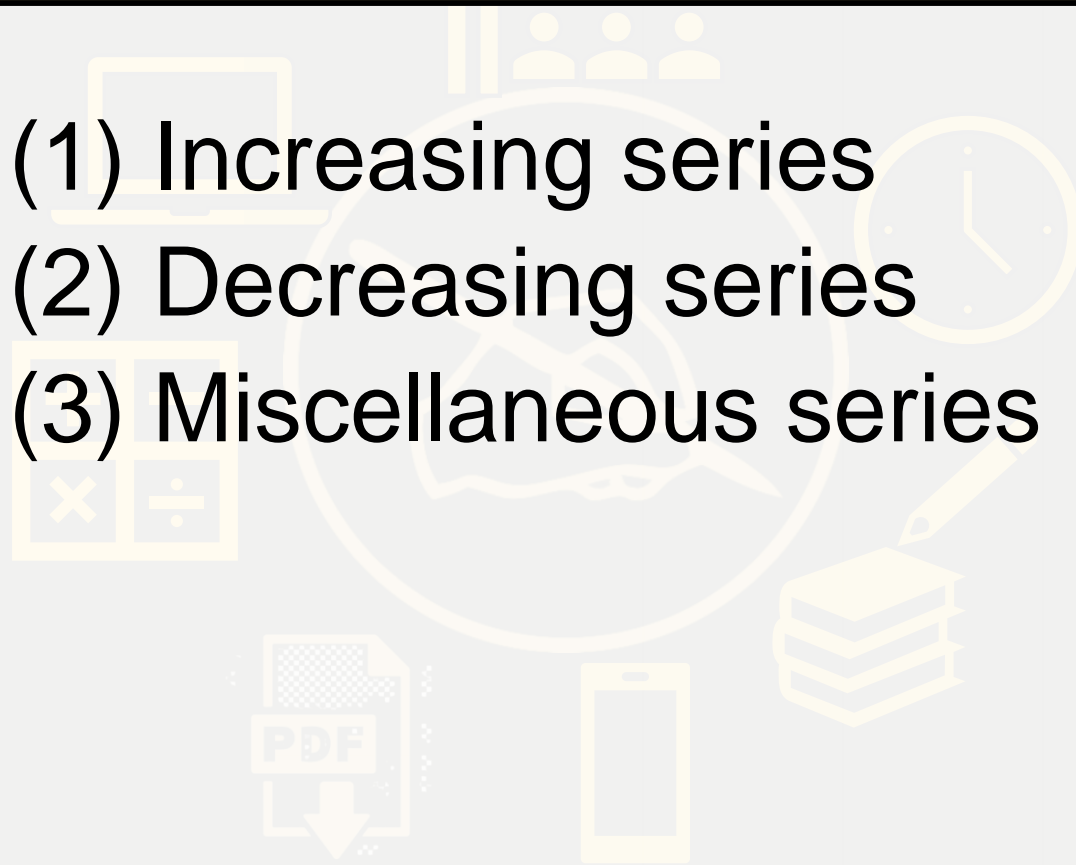
Six person are sitting in circle facing towards the centre. Q is sitting between B and N. A is sitting between C and P. C is to the immediate right of B. Who is to the immediate right of Q?

छह व्यक्ति वृत्त में केंद्र की ओर उन्मुख होकर बैठे हैं। Q, B और N के बीच बैठा है। A, C और P के बीच में बैठा है। C, B के ठीक दायें है। Q के ठीक दायें कौन है?

- (A) P
- (B) Q
- ~~(C) B~~
- (D) C



TYPES OF NUMBER SERIES

- (1) Increasing series
 - (2) Decreasing series
 - (3) Miscellaneous series
- 

$+20$ $+22$ $+24$ $+26$
22, 42, 64, 88, ? 114

1. 112

2. 118

3. 116

4. 114

5. 115



11, 61, 299, 1189, ?

~~1. 3559~~

2. 3659

3. 3569

4. 3549

5. 3459

$$11 \times 6 = 66 - 5 = 61$$

$$61 \times 5 = 305 - 6 = 299$$

$$299 \times 4 = 1196 - 7 = 1189$$

③

$$\textcircled{3} \quad 1189 \times 3 = 3567 - 8$$

② ②

$$= \underline{\underline{3559}}$$

215, 19, 163, 63, ?

1. 117 $\begin{matrix} 196 \\ (-14)^2 \end{matrix}$ $\begin{matrix} 144 \\ (+12)^2 \end{matrix}$ $\begin{matrix} 100 \\ -(10)^2 + (8)^2 \end{matrix}$

2. 127

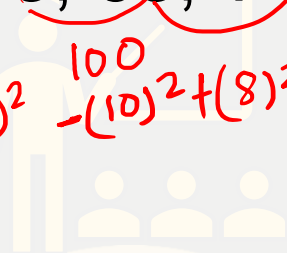
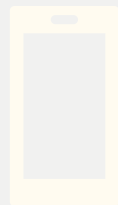
3. 125

4. 126

5. 109

$$\begin{array}{r} 64 \\ 63 \\ \hline 127 \end{array}$$

$$\begin{array}{r} 163 \\ 19 \\ \hline 144 \end{array}$$



160, 80, 120, 300, ?

✓ 1. 1050

2. 1000

3. 1040

4. 1020

5. 1060

$$160 \times \frac{1}{2} = 80$$

$$\frac{40}{80} \times 3 = 120$$

$$\frac{60}{120} \times 5 = 300$$

$$\frac{150}{300} \times 7 = 1050$$

49, 216, 625, 1024, 729, ?

128

7^2

6^3

5^4

4^5

3^6

2^7

$2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$

~~1. 128~~

2. 512

3. 256

4. 324

5. Other than the given options

19, 16, 44, 107, ? **215**

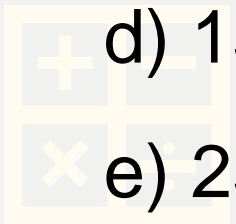
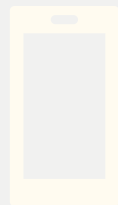
a) 108

b) 156

c) 215

d) 151

e) 251



11, 14, 23, 50, ? 131

a) 111 $\xrightarrow{\times 3}$ 333 $\xrightarrow{\times 3}$ 999 $\xrightarrow{\times 3}$ 2997 $\xrightarrow{\times 3}$ 8991

b) 121

c) 151

~~d) 131~~

e) 141

19, 25, 42, 71, 113, ?

~~a) 169~~

b) 153

c) 186

d) 196

e) 269

29
13
42

169

56

6

17

29

42

+11

+12

+13

+14

PDF

6, 16, 45, 184, 917, ?

- a) 5056 $6 \times 2 + 4 = 16$
- ~~b) 5506~~ $16 \times 3 - 3 = 45$
 $45 \times 4 + 4 = 184$
- c) 5006 $184 \times 5 = 920 - 3 = 917$
- d) 5060 $917 \times 6 + 4 = 5502 + 4$
 $= \underline{\underline{5506}}$
- e) 6050

11, 20, 38, 74, ? 146

a) 85 $\begin{matrix} \underbrace{\quad 9 \quad} \\ \underbrace{\quad 18 \quad} \\ \underbrace{\quad 36 \quad} \\ \underbrace{\quad 72 \quad} \\ \times 2 \quad \times 2 \quad \times 2 \end{matrix}$

b) 96

c) 100

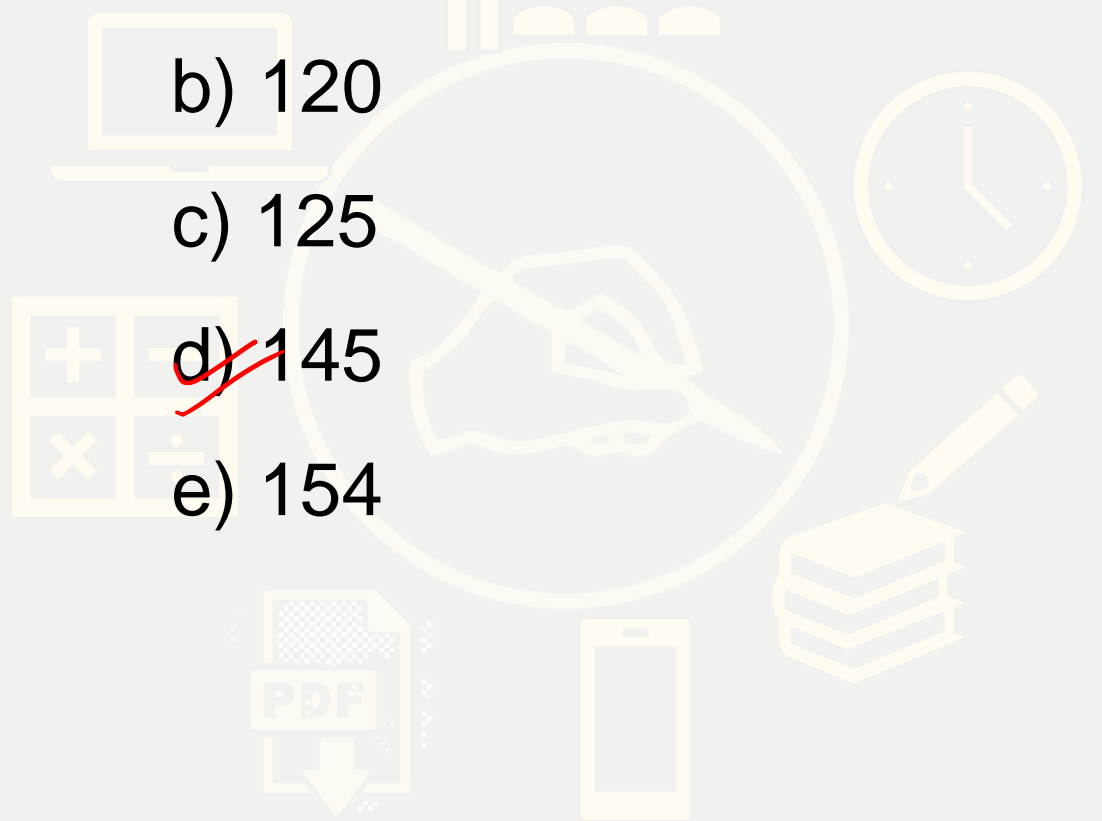
d) 136

e) 146

15, 21, 38, 65, 101, ? (145)

Handwritten annotations in red show the differences between terms: 6 (15 to 21), 11 (21 to 38), 17 (38 to 65), 27 (65 to 101), and 36 (101 to 145). The differences themselves form a sequence: 6, 11, 17, 27, 36, 44. The differences between these differences are 5, 4, 10, 9, 8, 4, 4. The final term 145 is circled in red.

- a) 150
- b) 120
- c) 125
- ~~d) 145~~
- e) 154



24, 28, 19, 35, 10, ?

a) 45

$$24 + 2^2 = 28$$

b) 44

$$28 - 3^2 = 19$$

$$19 + 4^2 = 19 + 16 = 35$$

c) 46

$$35 - \overset{25}{5^2} = 10$$

d) 42

$$10 + 6^2 = 36 + 10 = 46$$

e) 47

14, 25, 47, 91, ?, 355

a) 100

b) 197

c) 179

d) 335

e) 155

$$14 \times 2 - 3 = 25$$

$$25 \times 2 - 3 = 47$$

$$47 \times 2 - 3 = 94 - 3 = 91$$

$$91 \times 2 - 3 = 182 - 3 = 179$$

11, 24, 44, 70, 101, ?

Handwritten differences: 13, 20, 26, 31, 35

Handwritten increments: 7, 6, 5, 4

Handwritten answer: 136

a) 136

b) 102

c) 80

d) 102

e) 163



18, 8, 6, 8, 24, ?

a) 6

b) 48

c) 24

d) 176

e) 167

$$18 \times \left(\frac{1}{2}\right) = 9 - 1 = 8$$

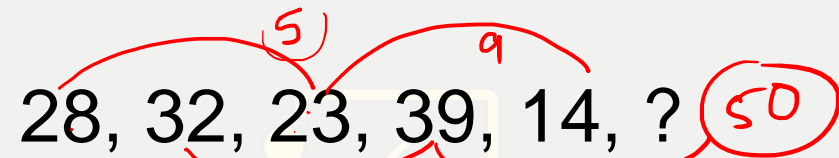
$$8 \times (1) = 8 - 2 = 6$$

$$6 \times (2) = 12 - 4 = 8$$

$$8 \times (4) = 32 - 8 = 24$$

$$\textcircled{3} \quad 24 \times (8) = 192 - 16 = \textcircled{176}$$

28, 32, 23, 39, 14, ? **50**



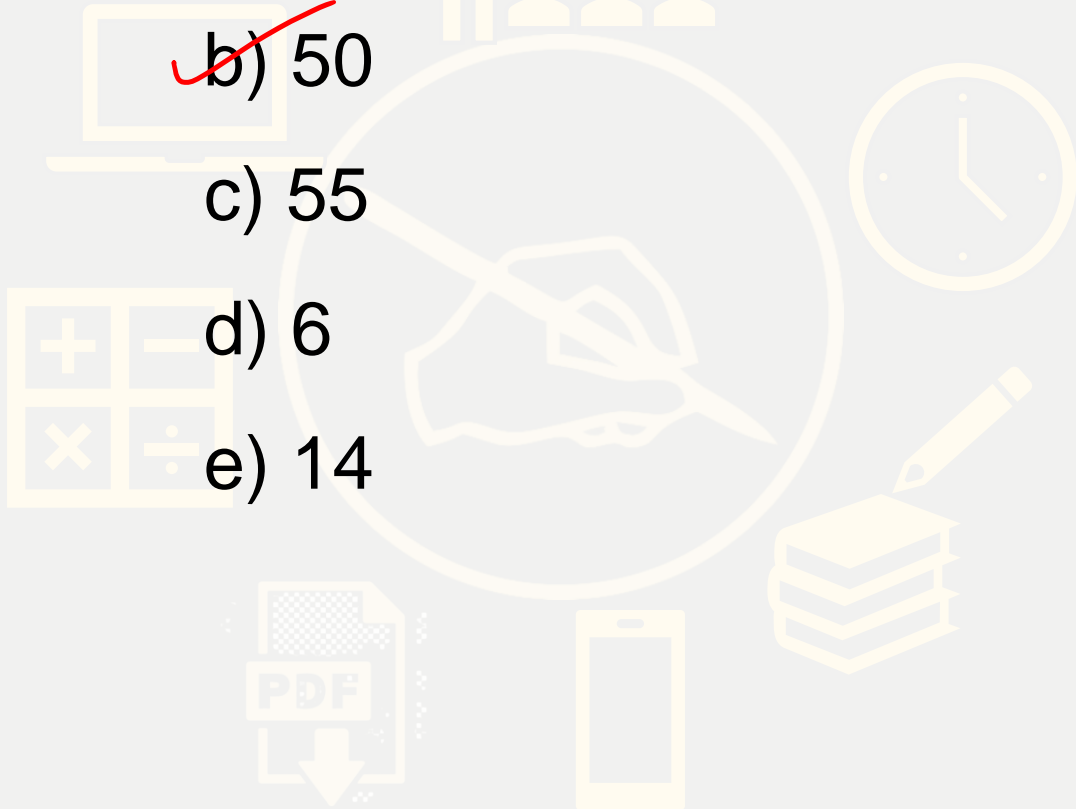
a) 30

b) 50

c) 55

d) 6

e) 14



5, 12, 33, 136, 675, ?

a) 5569

$$5 \times 2^{(+2)} = 12$$

$$12 \times 3^{(-3)} = 33$$

b) 4426

$$33 \times 4 = 132^{(+4)} = 136$$

c) 5046

$$136 \times 5 = 680 - 5 = 675$$

d) 4065

$$675 \times 6 = 4050 + 6 = 4056$$

~~e) 4056~~

2, 5, 9, 19, 37, ?

a) 76

$$2 \times 2 + 1 = 5$$

b) 74

$$5 \times 2 - 1 = 9$$

c) 75

$$9 \times 2 + 1 = 19$$

$$19 \times 2 - 1 = 37$$

$$37 \times 2 + 1 = 74 + 1 = 75$$

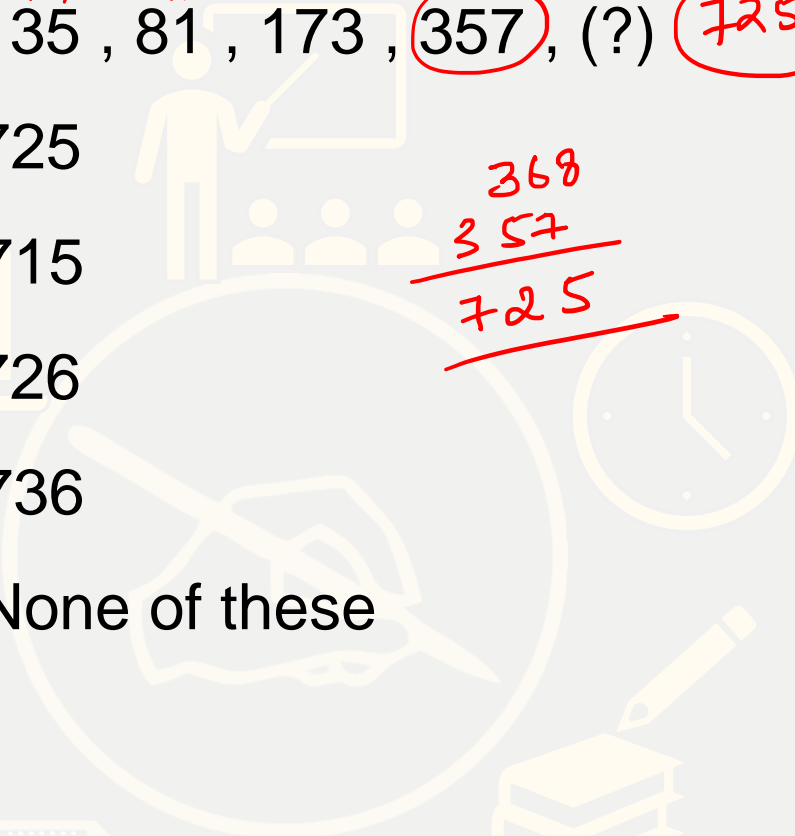
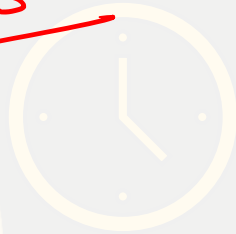
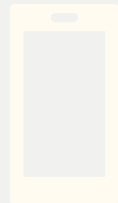
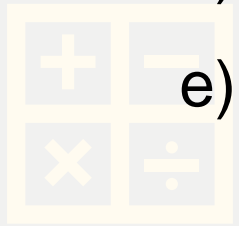
d) 73

12, 35, 81, 173, 357, (?), 725

Handwritten annotations: 23, 46, 92, 184, 368 are circled in red and connected by lines to the numbers in the sequence. 357 and 725 are also circled in red.

- a) ~~725~~
- b) 715
- c) 726
- d) 736
- e) None of these

$$\begin{array}{r} 368 \\ 357 \\ \hline 725 \end{array}$$



$$3, 100, 297, 594, 991, (?)$$

Handwritten red annotations:
+97, +197, +297, +397, 497
1488

a) 1489

b) 1479

c) 1478

d) 1498

 e) None of these

150, 102, 70, 46, 26, ? (4)

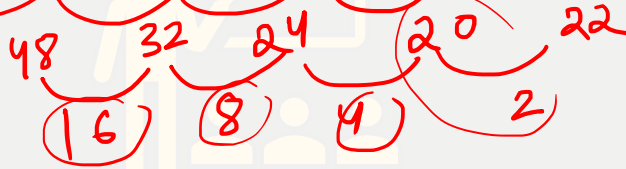
a) 16

b) 8

c) 10

d) 2

~~e) 4~~



Comment

12, 12, 18, 45, 180, ?

(A) 540

(B) 1070

(C) 920

(D) 1080

(E) None of these

*HW**4:00 Reasoning Like, Share**Previous year Question*

