



 *Mahendra's*

UP Police कांस्टेबल

REASONING

PREVIOUS YEAR
(QUESTION PAPER DISCUSSION)



 **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)

4, 10, 27, 140, ?

(a) 379

(b) 973

(c) 937

(d) 397

$$4 \times 2 + 2 = 10$$

$$10 \times 3 - 3 = 27$$

$$27 \times 5 = 135 + 5 = 140$$

$$140 \times 7 - 7 = 980 - 7 = \underline{973}$$

If PEAR is coded as 7519 and TOIL is coded as 2693,
then how will DOCTOR be coded?

यदि PEAR को 7519 और TOIL को 2693 के रूप में कोडित किया जाता है, तो DOCTOR को कैसे कोडित किया जाएगा?

- (a) 463269
- (b) 463729
- (c) 463296
- (d) 463239

(16) 5 1 18
 P E A R
 $1+6$ $1+8=9$
 7 5 1 9

20 15 9 (12)
 T O I L
 $1+5$ $1+2$
 2 6 9 3

DOCTOR
 4 15 3 20 15 18
4 6 3 2 6 9

(3, 13, 196)

64 196

~~(a) (4, 14, 441)~~

8 + 144

~~(b) (2, 12, 287)~~

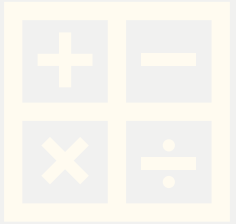
125₃ 225₂ =

~~(c) (5, 15, 350)~~

$$125 + 225 = 350$$

(d) (6, 16, 569)

$$(3)^3 + (13)^2 = 27 + 169 = 196$$



(8, 101, 35)

$$8 \times 4 = 32 + 3 = 35$$

~~(a) (11, 136, 47)~~

$$35 \times 3 = 105 - 4 = 101$$

~~(b) (7, 89, 31)~~

$$11 \times 4 = 44 + 3 = 47$$

(c) (9, 121, 39)

$$47 \times 3 = 141 - 4 = 137$$

(d) (6, 76, 27)

$$7 \times 4 = 28 + 3 = 31$$

$$31 \times 3 = 93 - 4 = 89$$

Select the term that will come next in the following series.

3, 27, 243, 2187, 19683

(Handwritten annotations: red arcs above the numbers with 'x9' written above each arc, indicating a geometric progression with a common ratio of 9.)

(a) 27139

(b) 13561

(c) 21377

~~(d) 19683~~

(Handwritten calculations in red ink: 243 divided by 9 equals 27, and 2187 divided by 9 equals 243.)

Ans

Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

निम्नलिखित चार संख्याओं में से तीन एक निश्चित तरीके से समान हैं और एक अलग है। वह संख्या चुनिए जो अन्य से भिन्न हो।

(a) 2936

(b) 3864

~~(c) 6394~~

(d) 4638

$$2936$$

$$\frac{3}{2} = \frac{9}{6} = \frac{3}{2}$$

$$3864$$

$$\frac{2}{1} = \frac{8}{4} = \frac{2}{1}$$

$$6394$$

$$\frac{3}{2} = \frac{9}{6} = \frac{3}{2}$$

$$4638$$

$$\frac{4}{2} = \frac{6}{3} = \frac{4}{2}$$

Imp Select the option that is related to the third number in the same way as the second number is related to the first number.

81: 63 :: 74 : _____

- (a) 13
- (b) 23
- (c) 43
- (d) 33

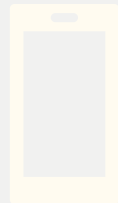
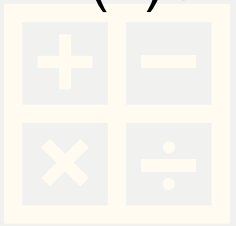
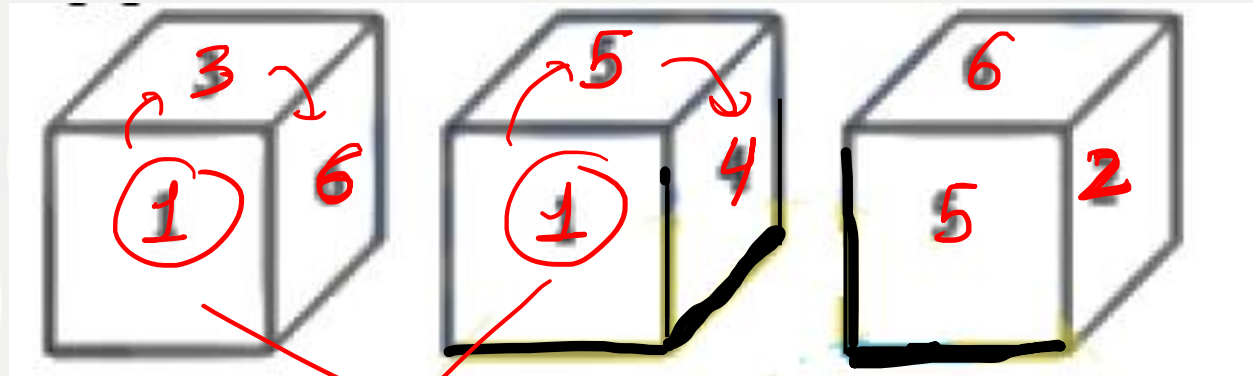
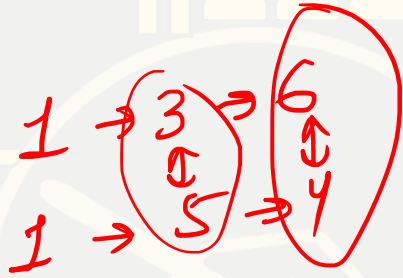
$$(8+1) \times (8-1) \\ 9 \times 7 = 63$$

$$(7+4) \times (7-4) \\ 11 \times 3 = \underline{33}$$

The different positions of a dice are shown below. Which number appears on the face opposite the number 6?

एक पासे की विभिन्न स्थितियों को नीचे दिखाया गया है। संख्या 6 के विपरीत फलक पर कौन सी संख्या दिखाई देती है?

- (a) 4
- (b) 5
- (c) 1
- (d) 3



Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

(a) UQJF

(b) OKPL

(c) AWDZ

~~(d) IDWS~~

U Q J F
↖ ↗ ↘ ↙

O K P L
↖ ↗ ↘ ↙

A W D Z
↖ ↗ ↘ ↙

(H)
I D W S
↖ ↗ ↘ ↙
(R)

In a certain code, SLUMBER is coded as PORPYHO. How would PURPOSE be written in that same code?

एक निश्चित कोड में, SLUMBER को PORPYHO के रूप में कोडित किया जाता है। उसी कोड में PURPOSE को कैसे लिखा जाएगा?

- (a) OTQONRD
- (b) MXOSLVB
- (c) SRUMRPG
- (d) QVSQPTF

	19	12	21	13	2	5	18
	S	L	U	M	B	E	R
	-3	+3	-3	+3	-3	+3	-3
	P	O	R	P	Y	H	O
	16	15	18	16	25	8	15

	16	18	16	19			
	P	U	R	P	O	S	E
	-3	+3	-3	+3	-3	+3	-3
	M	X	O	S	L	V	B

'Iraq' is related to 'Dinar' in the same way as 'Myanmar' is related to '_____'.
currency -

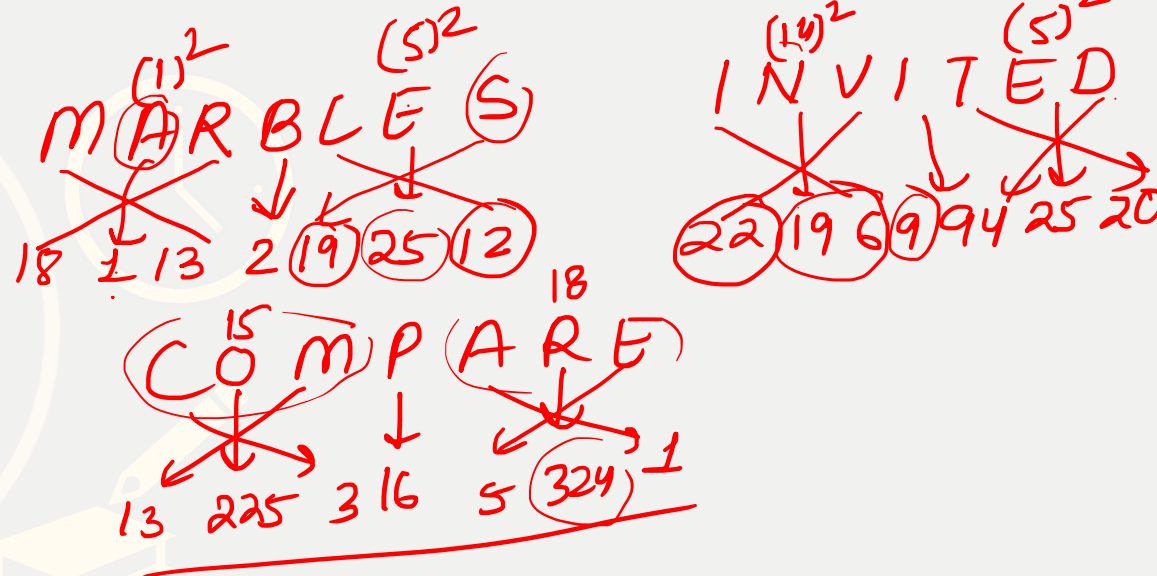
'इराक' 'दिनार' से उसी तरह संबंधित है जैसे 'म्यांमार' '_____' से संबंधित है।

- (a) Yen
- (b) Lira
- (c) Kyat
- (d) None of these

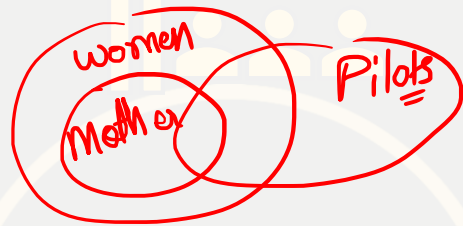
If MARBLES is coded as 181132192512 and INVITED is coded as 221969942520, then how will COMPARE be coded as?

यदि MARBLES को 181132192512 और INVITED को 221969942520 के रूप में कोडित किया जाता है, तो COMPARE को किस प्रकार कोडित किया जाएगा?

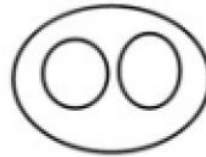
- (a) 1322531253221
- (b) 1312531653241
- (c) 1322531652241
- (d) 1322531653241



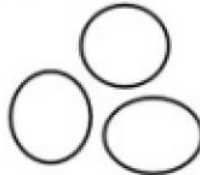
Select the Venn diagram that best illustrates the relationship between the following classes.
Mothers, Women, Pilots



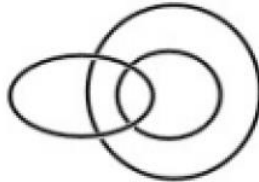
(a)



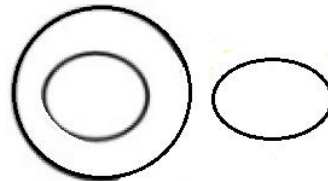
(b)



~~(c)~~



(d)



Q. In a code language, RAJASTHAN is coded as NXHZSPEYM. How will TAMILNADU be written as in that language.

- (a) JXBVLJKXP
- (b) P XKJMJXBU
- ~~(c) P XKHLJXBT~~
- (d) JXBLLJKXP

18	1	10	2	19	20	8	1	14
R	A	J	A	S	T	H	A	N
-4	-3	-2	-1	↓	-4	-3	-2	-1
N	X	H	Z	S	P	E	Y	M
14	24	8	26	19	16	5	25	13

20	1	13	7	NADU				
T	A	M	I					L
-4	-3	-2	-1	↓	-4	-3	-2	-1
<u>P X K H L</u>				J	X	B T		

Q. Select the letter that can replace the question mark in the following series.

उस अक्षर का चयन करें जो निम्नलिखित श्रृंखला में प्रश्नवाचक चिन्ह को प्रतिस्थापित कर सकता है।

E, Y, V, P, M, ?, D

(a) E

(b) F

(c) H

~~(d) G~~

E, Y, V, P, M, ^(G)?, D
5, 25, 22, 16, 13, 7, 4
-6, -3, -6, -3, -6, -3

Q. Select the option that is related to the fifth number in the same way as the second number is related to the first number and fourth number is related to third number?

उस विकल्प का चयन करें जो पांचवीं संख्या से उसी प्रकार संबंधित है जैसे दूसरी संख्या पहली संख्या से संबंधित है और चौथी संख्या तीसरी संख्या से संबंधित है?

$$(120 : 145) :: (168 : 197) :: (224 : ?)$$

(a) 254

(b) 255

(c) 256

(d) 257

$$120 = (11)^2 - 1 \quad 145 = (12)^2 + 1 \\ = 120 \quad = 145$$

$$168 = (13)^2 - 1 = 169$$

$$197 = (14)^2 + 1 = 197$$

$$(15)^2 - 1 = 225 - 1$$

$$= 224$$

$$(16)^2 + 1 = 256 + 1$$

$$= 257$$

Q. Select the set in which the numbers are related in the same way as are the numbers of the followings set.

उस समुच्चय का चयन कीजिए जिसमें संख्याएँ उसी प्रकार संबंधित हैं जिस प्रकार निम्नलिखित समुच्चय की संख्याएँ संबंधित हैं।

(8, 72, 27)

~~(a)~~ (1, 15, 16) $\frac{1 \times 16}{3}$

~~(b)~~ (16, 80, 15)

(c) (27, 45, 25)

(d) (64, 82, 27)

(8), 72, (27)

$$8 \times \frac{9}{2} = 72$$

$$\frac{5}{3} \times 16 = (80)$$

Q. Three of the following four letter-clusters are alike in a certain way and one is different. Select the odd one out.

निम्नलिखित चार अक्षर-समूहों में से तीन एक निश्चित तरीके से समान हैं और एक अलग है।

(a) DGEF

~~(b) HNLJ~~

(c) TWUV

(d) MPNO

D G E F
4 7 5 6

H N L J
8 14 (12) 10

T W U V
20 23 21 22

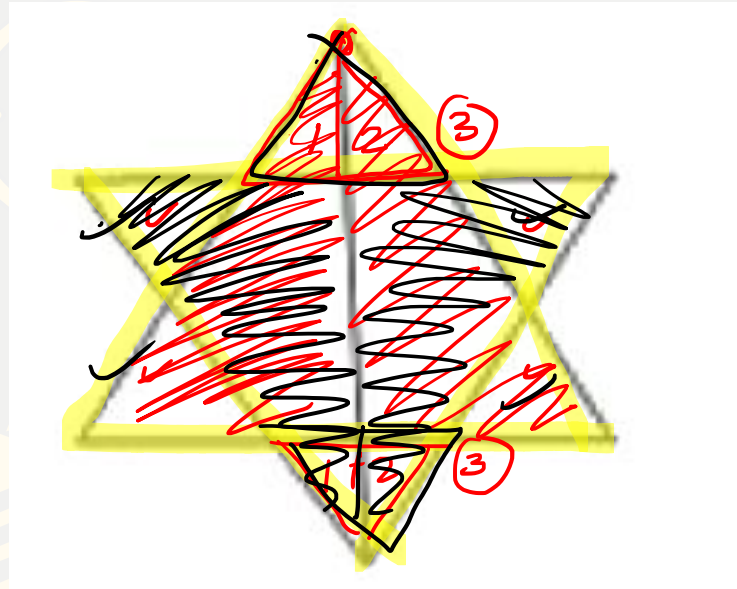
M P N O
13 16 14 15

Q. How many triangles are there in the following figure?

निम्नलिखित आकृति में कितने त्रिभुज हैं?

- (a) 14
- (b) 18
- (c) 20
- ~~(d) 16~~

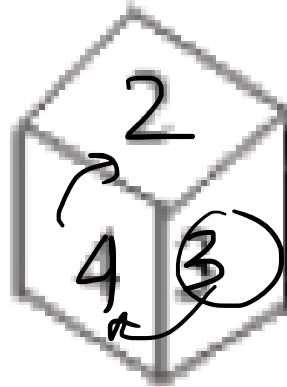
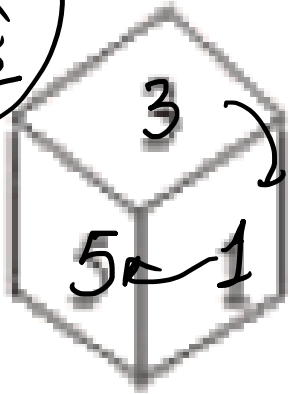
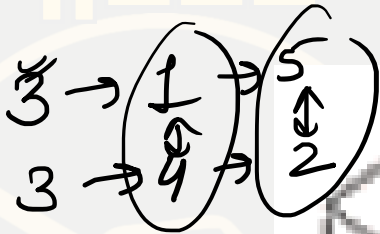
Handwritten calculation:
 4 ✓
 6 ✓
 2 ✓
 2 ✓
 2 ✓
 16 ✓



Q. Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom?

एक ही पासे की दो अलग-अलग स्थितियों को दिखाया गया है। यदि 6 सबसे नीचे हो तो कौन सी संख्या सबसे ऊपर होगी?

- (a) 1
- ~~(b) 3~~
- (c) 2
- (d) 4



Q. How many triangles are there in the following figure?

निम्नलिखित आकृति में कितने त्रिभुज हैं?

- (a) 14
- (b) 18
- (c) 20
- (d) 16



Q. If in the "EQUANMIITY" word all the letters are arranged in alphabetical order from right to left end then position of how many alphabet(s) will be remain unchanged? (remain changed)?

यदि "EQUANMIITY" शब्द में सभी अक्षरों को दायें से बायें छोर तक वर्णानुक्रम में व्यवस्थित किया जाता है, तो कितने अक्षरों की स्थिति अपरिवर्तित रहेगी?

- A. One
- B. Two
- C. Three
- D. Four



left of Right



Q. Mayank walked 25 m towards South. Then he turned to his left and walked 20 m. He then turned to his left and walked 25 m. He again turned to his right and walked 15 m. At what distance is he from the starting point in which direction?

मयंक दक्षिण की ओर 25 मीटर चला। फिर वह अपने बायीं ओर मुड़ा और 20 मी चला। फिर वह अपनी बाईं ओर मुड़ा और 25 मीटर चला। वह फिर से अपनी दाहिनी ओर मुड़ा और 15 मी चला। वह आरंभिक बिंदु से किस दिशा में कितनी दूरी पर है?

- (a) 32 m East
- (b) 34 m East
- (c) 31 m East
- (d) 35 m East

HW → Comment
4:00
Reasoning
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