



Mahendra's



SSC CGL/CPO/CHSL

REASONING

CODING MATRIX & SIGN CHANGE



LIVE 

07:30 PM



QUESTION

R & colu

DUST

- (A) 00, 76, 86, 59 ✗
- (B) 13, 76, 98, 89 ✗
- (C) 21, 69, 55, 65 ✗
- (D) 12, 57, 67, 58

	0	1	2	3	4
0	D	V	C	P	M
1	P	M	D	V	C
2	V	C	P	M	D
3	M	D	C	V	P
4	C	P	M	D	V

	5	6	7	8	9
5	S	A	U	T	J
6	T	J	S	A	U
7	A	U	T	J	S
8	J	S	A	U	T
9	U	T	J	S	A

D U S

QUESTION

CAMP

(A) 02, 57, 04, 34

(B) 14, 68, 42, 34

(C) 21, 76, 11, 41

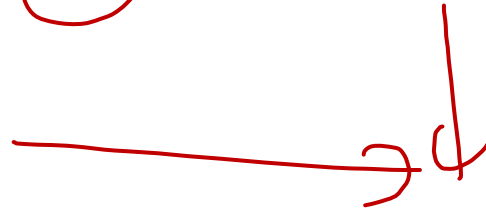
(D) 40, 99, 42, 12

Matrix I					
	0	1	2	3	4
0	D	V	C	P	M
1	P	M	D	V	C
2	V	C	P	M	D
3	M	D	C	V	P
4	C	P	M	D	V

Matrix II					
	5	6	7	8	9
5	S	A	U	T	J
6	T	J	S	A	U
7	A	U	T	J	S
8	J	S	A	U	T
9	U	T	J	S	A

(C)

↓ (C)
56



QUESTION

PUMP α

- (A) 03, 69, 03, 34
(B) 14, 88, 23, 02
(C) 10, 57, 23, 34
(D) 22, 95, 43, 41

Matrix I					
	0	1	2	3	4
0	D	V	C	P	M
1	P	M	D	V	C
2	V	C	P	M	D
3	M	D	C	V	P
4	C	P	M	D	V

Matrix II					
	5	6	7	8	9
5	S	A	U	T	J
6	T	J	S	A	U
7	A	U	T	J	S
8	J	S	A	U	T
9	U	T	J	S	A

pump

QUESTION

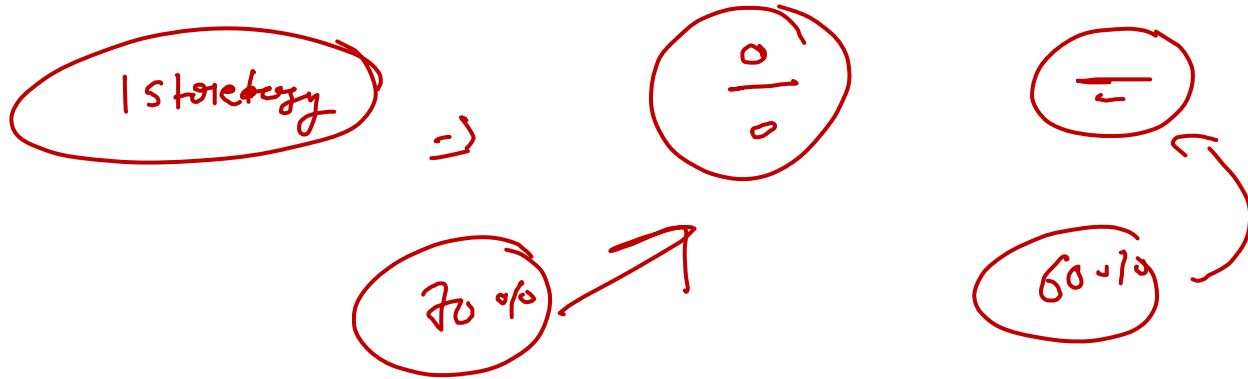
PAST

- (A) 10, 56, 41, 58 ✗
- (B) 22, 68, 55, 66 ✗
- (C) 34, 75, 67, 58 ✓
- (D) 41, 99, 98, 88 ✓

Matrix I					
	0	1	2	3	4
0	D	V	C	P	M
1	P	M	D	V	C
2	V	C	P	M	D
3	M	D	C	V	P
4	C	P	M	D	V

Matrix II					
	5	6	7	8	9
5	S	A	U	T	J
6	T	J	S	A	U
7	A	U	T	J	S
8	J	S	A	U	T
9	U	T	J	S	A

P. A. S. T



SIGN CHANGE

CONCEPT

$$\begin{array}{ccc} \cdot \times & = & \cdot \\ 2 \square & 3 \square & 6 \end{array}$$

$$\boxed{6 - 6}$$

~~6~~

①	$\boxed{+ =}$
②	$\times =$
③	$= +$
④	$= \times$

QUESTION

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

$$42 * 7 * 64 * 11 * 6 * 4$$

*(Handwritten annotations: a bracket under 11*6, a circle around 6, and a circle around 4)*

1. $\div, +, -, \times, =$

2. $\times, +, -, \div =$ ✗

3. $\div, -, +, \times, =$

4. $\times, -, +, \div, =$ ✗

$$6 \neq 64 - 11 \times 6 \xrightarrow{\text{परिपूरण}} = 4$$

$$70 - 66$$

(Handwritten annotations: an arrow from the result 4 to the expression 70 - 66, and a larger arrow pointing from the bottom of the page towards the right)

QUESTION

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

$\Rightarrow 60 * 2 * 3 * 6 * 5 * 43$

1. $\div, \times, +, -, =$

2. $\div, +, \times, =, -$

3. $\div, +, \times, -, =$

4. $+, \div, \times, =, -$

$\frac{30 \times 3}{}$

$90 + 6 - 5$

3

$30 + 18$

$48 - 5 = 43$

QUESTION

Select the correct combination of mathematical signs that can sequentially replace the * signs and make the equation correct.

$$68 * 138 * 23 * 54 * 20$$

(Handwritten annotations: a red line is drawn through 138 and 23; a red '+' is written below 138; a red '÷' is written below 23; the number 20 is circled in red.)

1. $\times, +, -, =$ *(with a red checkmark)*

2. $=, \times, +, \div$ *(with a red checkmark)*

3. $\times, +, =, \div$ *(with a red checkmark)*

4. $+, \div, -, =$ *(with a red checkmark)*

Handwritten calculation: $68 + 6 \div 54 = 20$

Handwritten calculation: $74 - 54 = 20$ *(with 20 circled in red)*

QUESTION

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

$$\underline{36} * \underline{14} * \underline{63} * \underline{9} * \underline{11} * (\underline{6} * \underline{3}) * \underline{90}$$

1. -, +, ÷, ×, =, -, +

2. +, -, ÷, ×, =, -, +

3. -, +, ÷, ×, -, +, =

4. -, +, ×, ÷, -, +, =

$$36 = 14 + 7 \times 11 = (6 + 3) = 90$$

$$\begin{array}{c} 2 \quad 2 \\ + \quad + \\ 9 \quad 9 \\ = 99 \end{array}$$

QUESTION

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

$$1496 * 8 * 13 * 40 * 5 * 0$$

1. $\div, +, -, \times, =$
2. $\div, \times, =, +, -$
3. $\div, +, =, -, \times$
4. $\div, -, +, \times, =$

$$18.7 + 13 - 40 \times 5 -$$

$$200 \quad -200$$

$$\frac{0}{0} \text{ maths.}$$

QUESTION

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

$$18 * 12 * 4 * 5 * 6 * 53$$

1. $\times, \div, -, +, =$ ✓
2. $\times, \div, =, +, -$
3. $\times, \div, +, =, -$
4. $\times, \div, +, -, =$ ✓

$$18 \times 3 + 5 - 6 = 53$$

$$\dots 54 + 5 - 6 = 59 - 6 = \textcircled{53}$$

QUESTION

Select the correct combination of mathematical signs that can sequentially replace the * signs and make the equation correct.

$$48 * 12 * 8 * 15 * 3 * 44$$

A

1. $\div, \times, +, -, =$

2. $=, \times, +, \div, -$

3. $+, \div, -, =, \times$

4. $\times, \div, =, -, +$

Handwritten work showing the solution:

$48 \div 12 \times 8 + 15 - 3 = 44$

Annotations: $48 \div 12 = 4$, $4 \times 8 = 32$, $32 + 15 = 47$, $47 - 3 = 44$

QUESTION

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

$$\cancel{483} * \cancel{23} * 93 * 16 * 4 * 50 =$$

- ~~1. $\div, +, -, \times, =$~~
2. $\div, -, +, \times, =$ ✓ 2.1. $93 - 16 \times 4 = 50$
3. $+, \div, -, \times, =$ ✗
4. $\div, +, -, =, \times$ ✗ 11 4 - 6.4 = 50

QUESTION

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

$$25 * 7 * 40 * 20 * 4 * 210$$

1. $\times, -, +, \div, =$
2. $-, +, =, \div, \times$
3. $\times, +, -, \div, =$
4. $+, -, =, \div, \times$

QUESTION

If 'A' means '+', 'B' means '-', 'C' means '×', and 'D' means '÷', then what will be the value of the given expression?

$$27A (14C3) B(36 D 9) C 5 B (27 B 14)$$

1. 36
2. 56
3. 41
4. 31

