Spatial Aptitude [200% → 2 mii]

→ Mirrod Image, water Image

→ paper → folding

folding punched

→ figure- Series

— Analogy

— odd Man out

— Completion

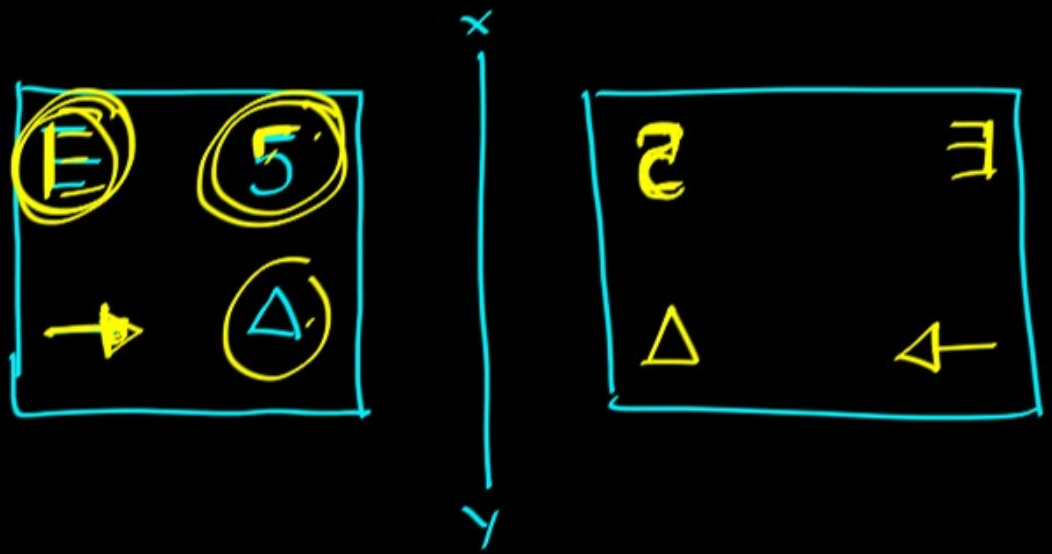
— hidden/ Embedd

→ figure - Matrix

→ diagramatic

Logical Theorem

Mirror Image



Left ⟺ Right

but

Top of the figures appears Top only

Bottom of the figures bottom only.

there is change Left ⟺ Right only.

For letters

A B C D E F G H I J K L M

A B C D E F G H I J K L M

N O P Q R S T U

N O P Q R S T U

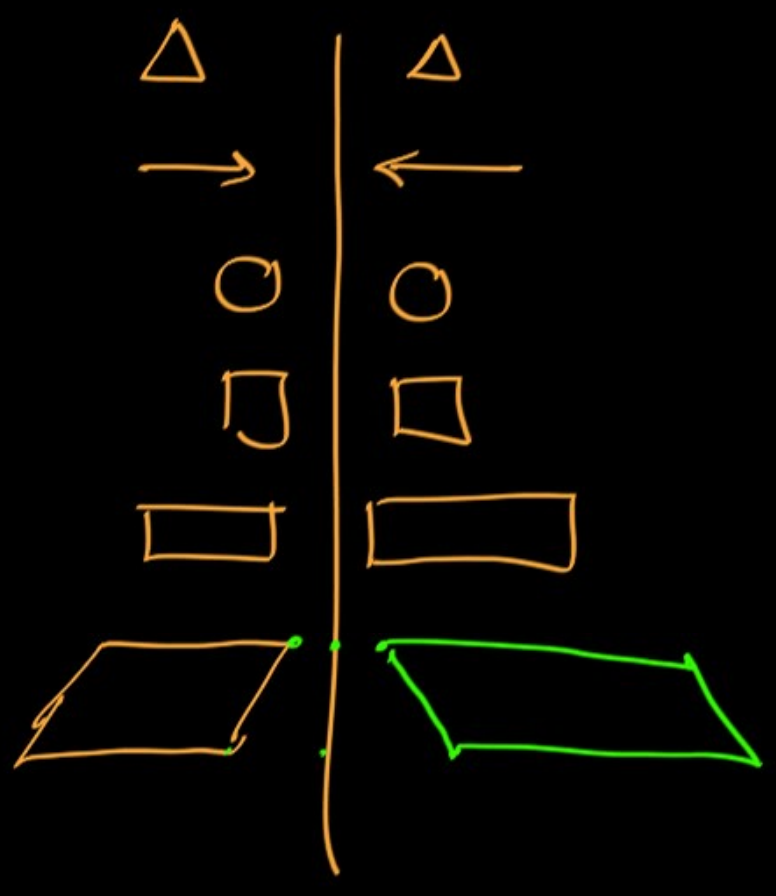
V W X Y Z

V W X Y Z

ಸಂಖ್ಯೆಗಳು

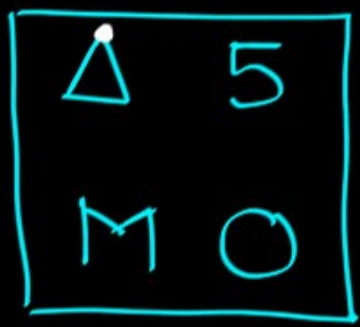
1	೧
2	೨
3	೩
4	೪
5	೫
6	೬
7	೭
8	೮
9	೯

ಸಮತಲ ಆಕೃತಿಗಳು:



water Image

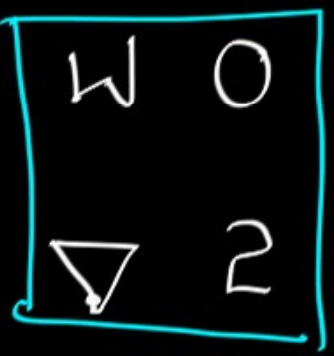
Top ⇔ Bottom



Remember:

Left Side of figures appear Left only

Right Side of figure Right only



there is change

By Top ⟶ bottom

bottom → Top

TOP OF THE FIGURE APPEARS AT BOTTOM

BOTTOM OF THE FIGURE APPEARS AT TOP

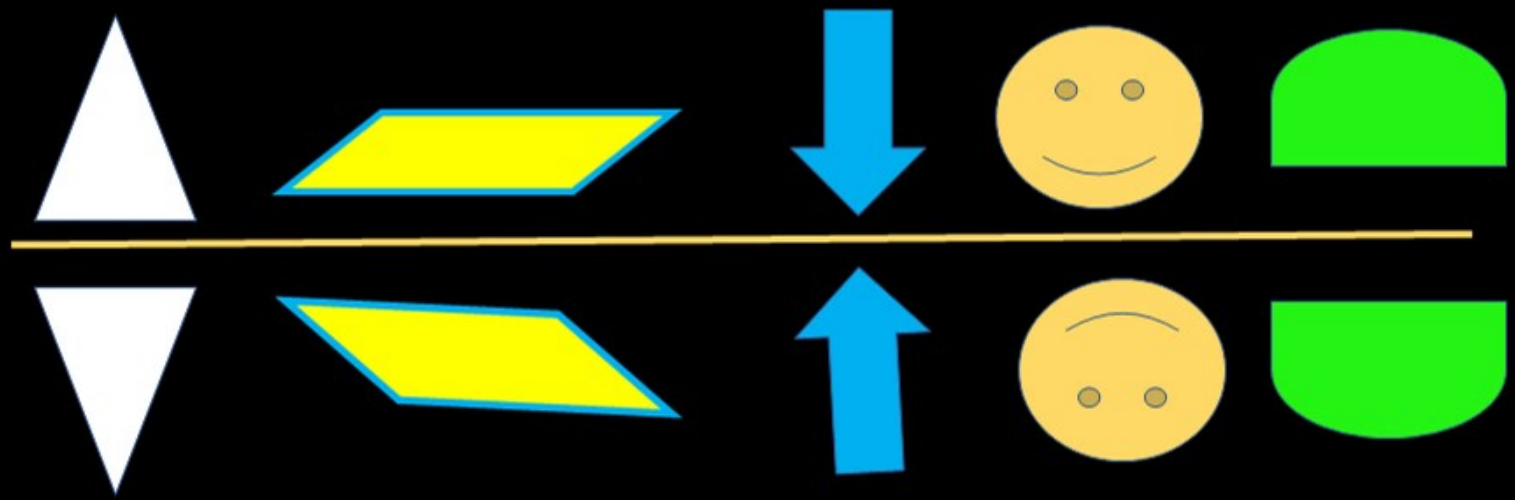
Letters	A	B	C	D	E	F	G	H	I	J	K	L	M	N
Water Image	∀	B	C	D	E	Ⅎ	Ↄ	H	I	ſ	K	Γ	W	N
Letters	O	P	Q	R	S	T	U	V	W	X	Y	Z		
Water Image	O	ꟼ	Ø	Я	S	⊥	∩	Λ	M	X	⅄	Z		

FOR NUMBERS

1 2 3 4 5 6 7 8 9 0

1 2 3 4 5 6 7 8 9 0

FOR PLANE FIGURES



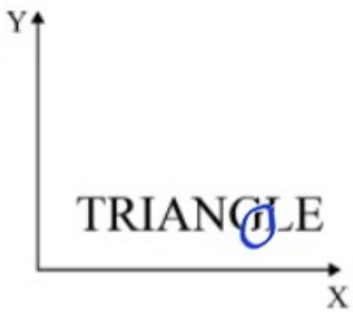
REMEMBER

TOP OF THE FIGURE APPEARS AT BOTTOM
BOTTOM OF THE FIGURE APPEARS AT TOP ONLY

BUT

LEFT SIDE POSITION OF THE FIGURE APPEARS AT LEFT ONLY
RIGHT SIDE OF THE FIGURE RIGHT ONLY

13.



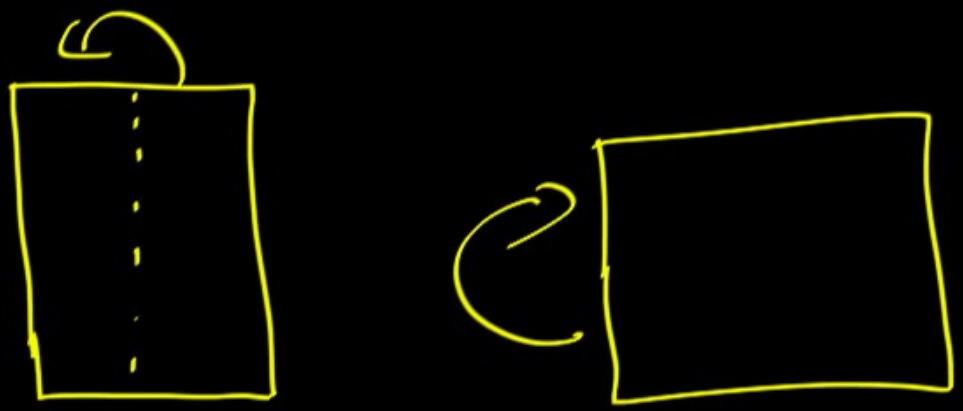
The mirror image of the above text about the X-axis is

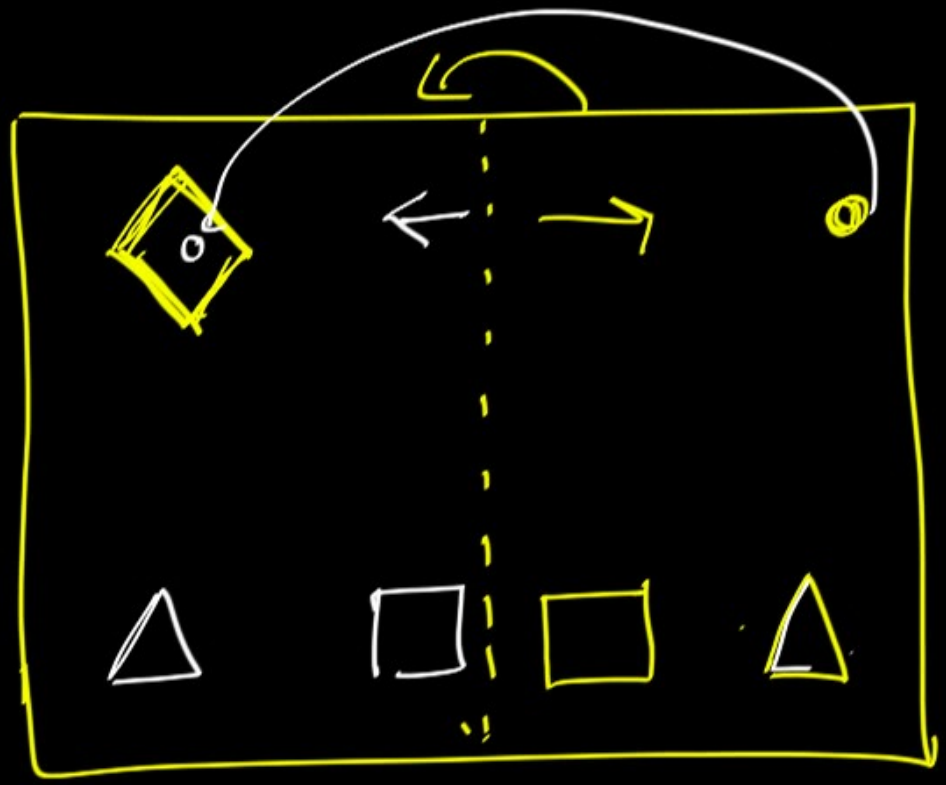
(a) ⊥ꓤIAИƆ⅃E

(b) ⊥ꓤIAИƆ⅃E

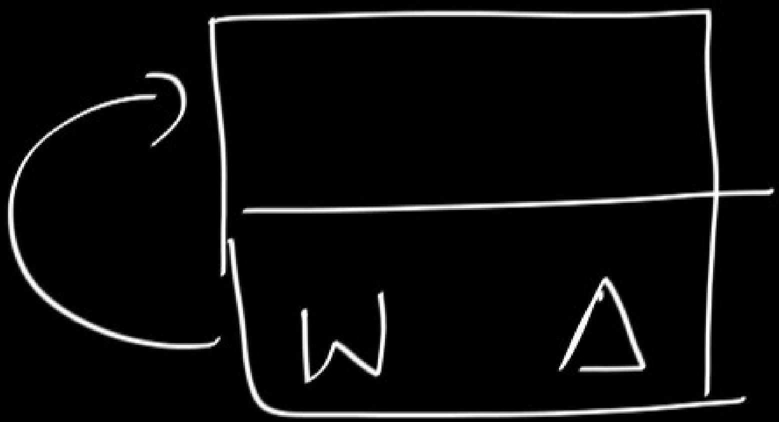
(d) ⊥ꓤIAИƆ⅃Ǝ

Paper folding





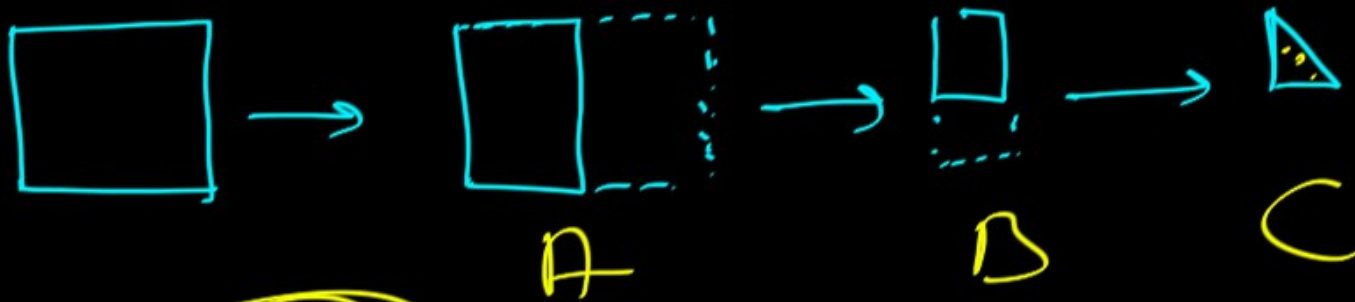
If the paper is folded left to Right } mirrd Image.
right to left



If the paper is folded Bottom ⟺ Top,

then worked as **water Image**

Paper folding & punched



LIFO

C → B → A

Folding operations A → B → C → D

unfolding operations

D → C → B → A

LIFO — last in first out

If the paper is

unfolded left ⟺ Right ⇒ worked as Mirror Image.

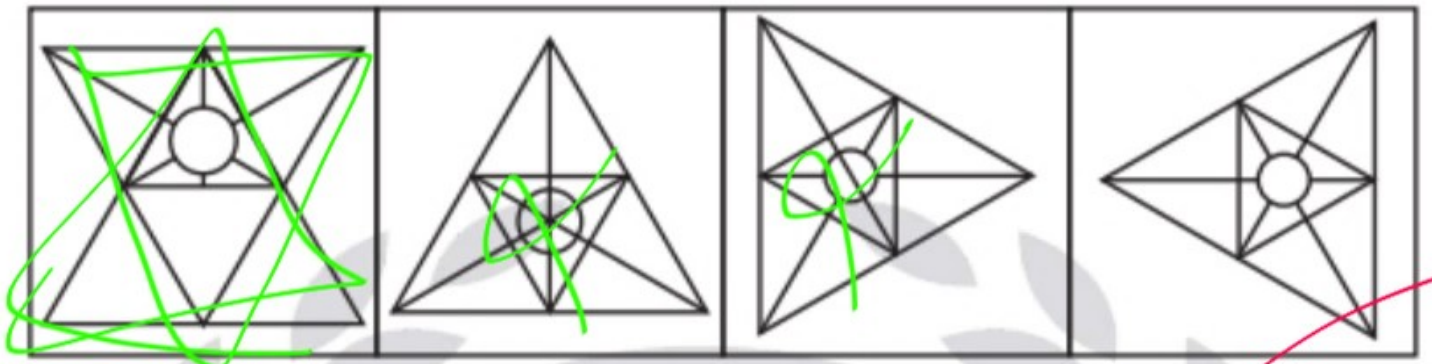
Bottom ⟺ Top, worked as

Water Image

Rotation

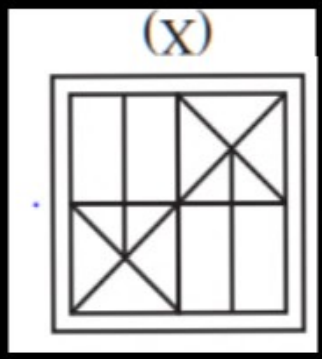
01.

(X)



(a) (b) (c) (d)

(x)



S.cuts

How many numbers having from 10 to 100, all of whose digits are Even?

20	40	60	80
22	42	62	82
24	44	64	84
26	46	66	86
28	48	68	88

20

10 to 98

S.C

X	Y
~~0~~	0
2	2
4	4
6	6
8	8

4 × 5 = 20

GATE

How many numbers having from 100 to 1000 due of whole digits are Even.

x y z

1 1 0

1 0 0

0 0 0

2 0 0

042

042

x y z

0 0

2 2 2

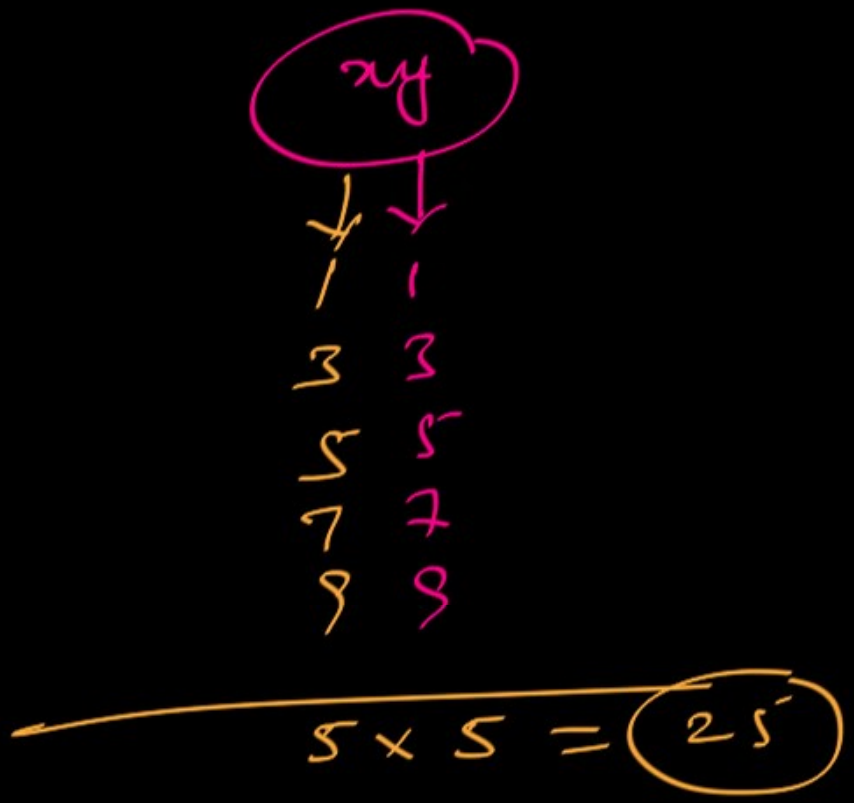
4 4 4

6 6 6

8 8 8

$4 \times 5 \times 5 = 100$

How many numbers having from 10 to 100, all of whose digits are odd.



② GATE- 2019

unit digit of $\Sigma n!$

$1! = 1$

$1! + 2! = 1 + 2$

$= 3$

$1! + 2! + 3! \Rightarrow 1 + 2 + 6$

$\Rightarrow 9$

$1! + 2! + 3! + 4!$

$= 1 + 2 + 6 + 24$

$= 33 \Rightarrow 3$

$[1! + 2! + 3! + 4!] + 5!$

$3 + 0$

$= 3$

$[1! + 2! + 3! + 4!] + 5! + 6!$

$\Rightarrow 3 + 0 + 0$

$\Rightarrow 3$

$1! + 2! + 3! + 4! + 5! + 6! + 7! = 3$

$1! + 2! + \text{---} + 100! \Rightarrow 3$