GATE

ALL BRANCHES

GENERAL APTITUDE

Spatial Aptitude

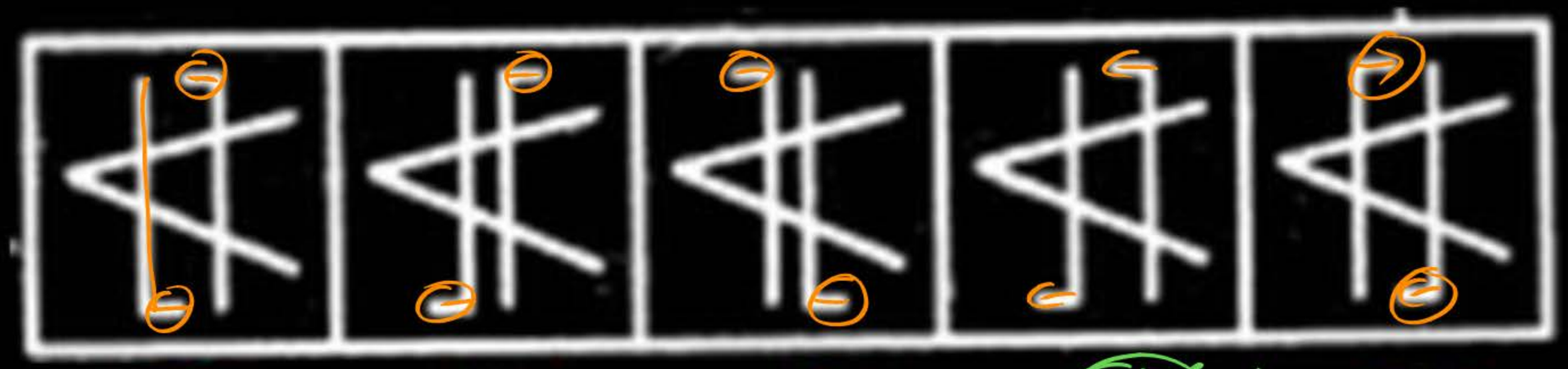
Lecture No: 02

By-Amulya Ratan Sir

TOPICS TO BE COVERED

1. Mirror and Water images
2. Paper Folding and Cutting
3. Questionnaire on the topic

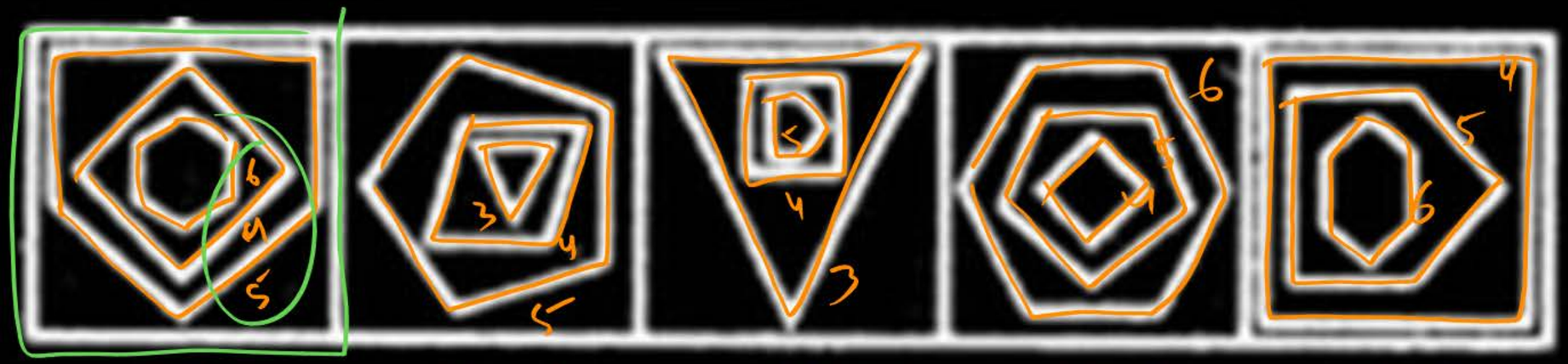
Q. Choose the figure which is different from the rest



A. B. C. D. E.

Assignment

Q. Choose the figure which is different from the rest



A.

B.

C.

D.

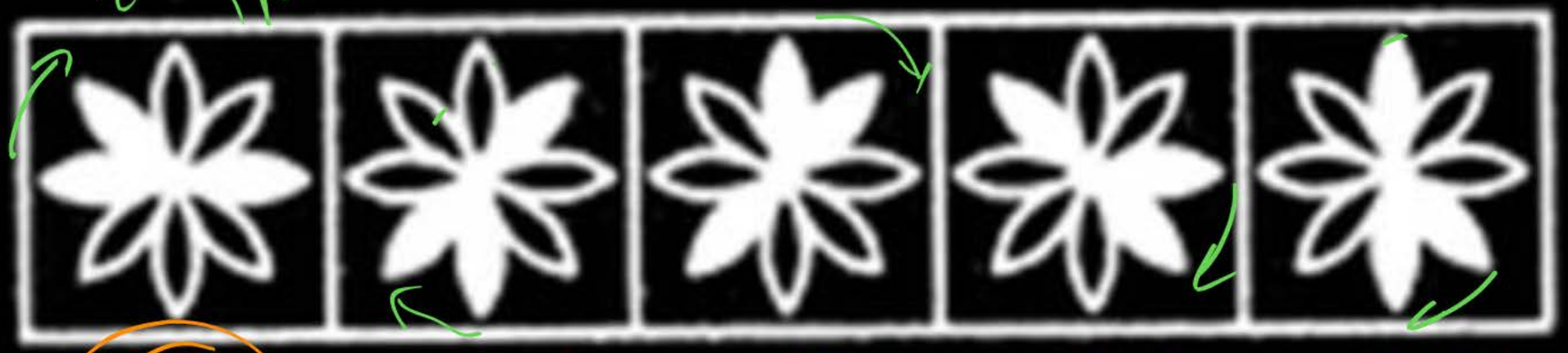
E.

Assignment

Q. Choose the figure which is different from the rest

2 painted
2 unpainted
1 point

2P
2U
1P



A.

B.
2P
3U
1P

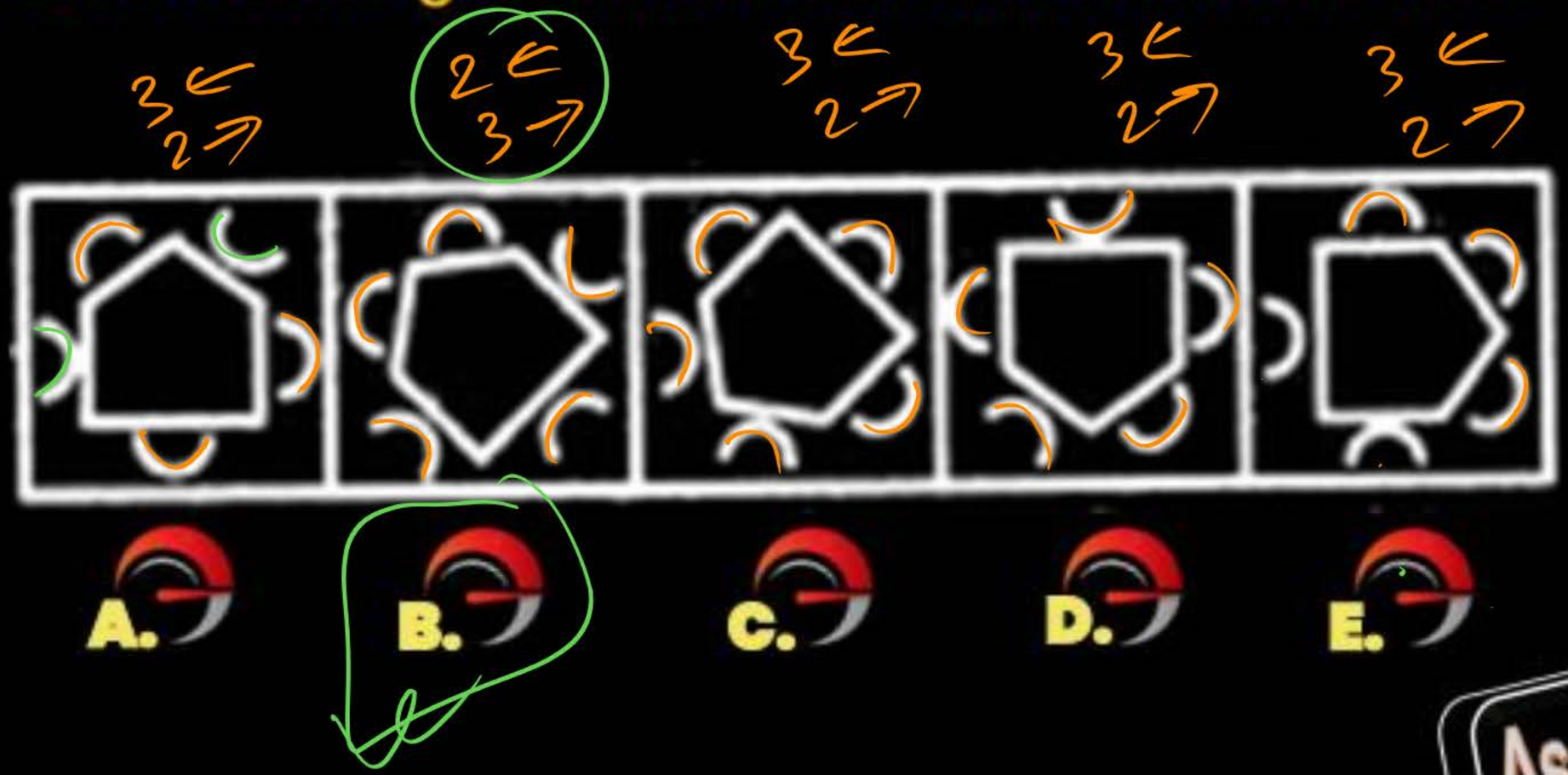
C.
2P
3U
1P

D.
2P
3U
1P

E.
2P
3U
1P

Assignment

Q. Choose the figure which is different from the rest



Assignment

Q. Choose the figure which is different from the rest

A. B. C. D. E.

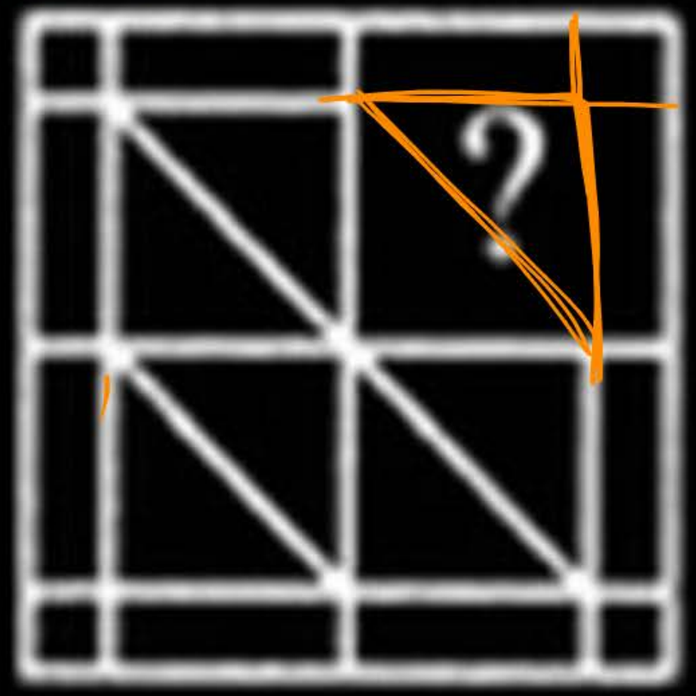
Assignment

Q. Choose the figure which is different from the rest

A. B. C. D. E.

Assignment

Q. Identify the figure that completes the pattern.



A.

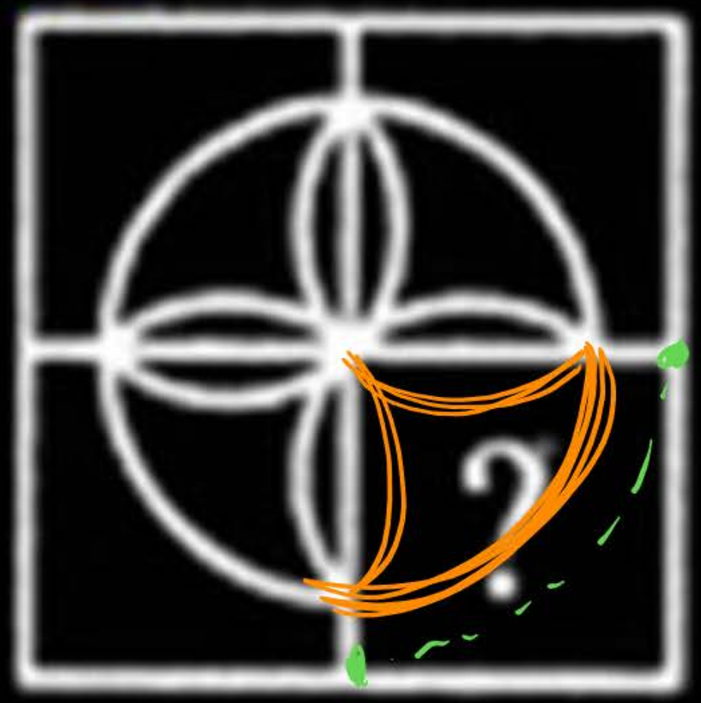
B.

C.

D.

Assignment

Q. Identify the figure that completes the pattern.



A.

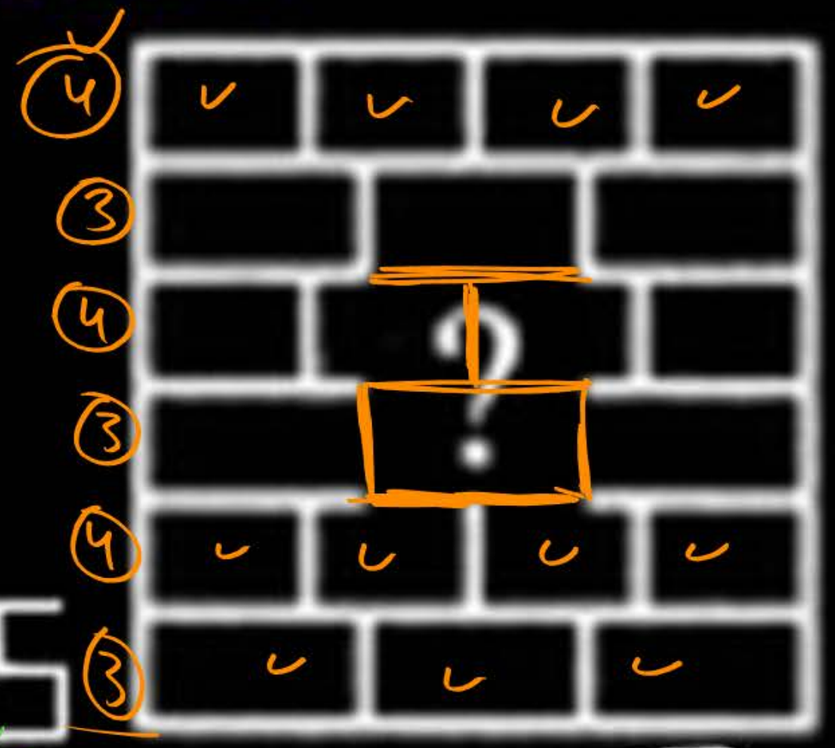
B.

C.

D.

Assignment

Q. Identify the figure that completes the pattern.



A.

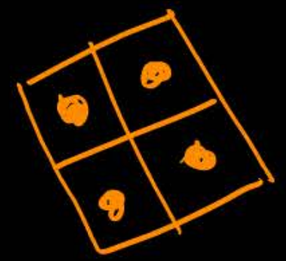
B.

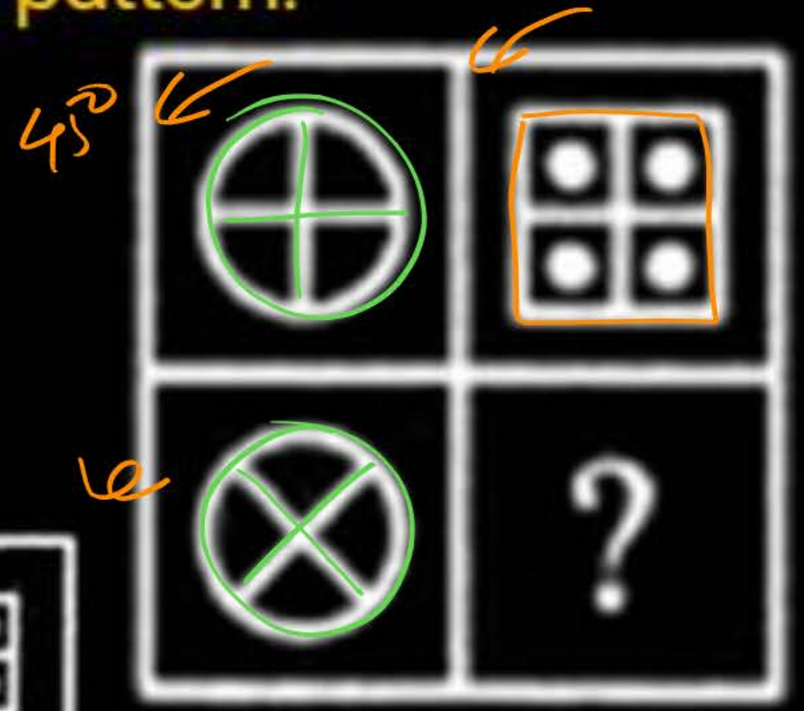
C.

D.

Assignment

Q. Identify the figure that completes the pattern.





A.

B.

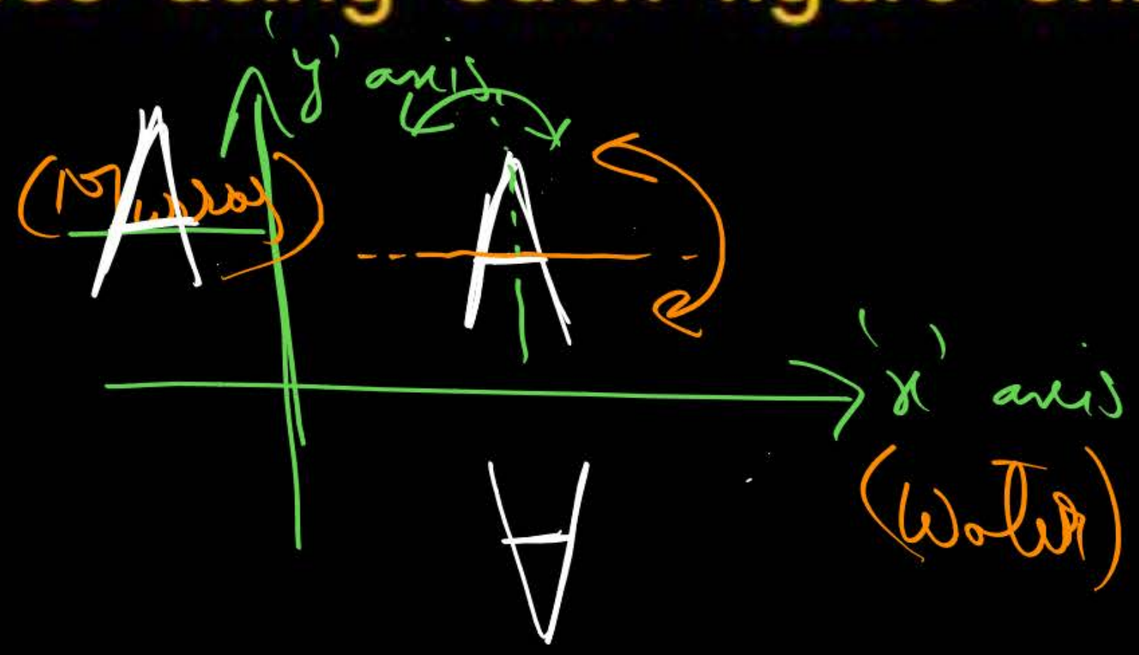
C.

D.

Assignment

Mirror and Water Images

- In each of the following questions, group the given figures into three classes using each figure only once.



Letters	Mirror Images	Letters	Mirror Images	Letters	Mirror Images
A	A	J	ᒐ	S	S
B	B	K	K	T	T
C	C	L	L	U	U
D	D	M	M	V	V
E	Ǝ	N	N	W	W
F	ꟻ	O	O	X	X
G	Ꭾ	P	Ꝑ	Y	Y
H	H	Q	Ꝗ	Z	Z
I	I	R	Ꭱ		

MIRROR IMAGE

Digits		Alphabet (Big)				Alphabet (Small)			
0	0	A	A	N	N	a	a	n	n
1	1	B	B	O	O	b	d	o	o
2	2	C	C	P	P	c	c	p	q
3	3	D	D	Q	Q	d	b	q	p
4	4	E	E	R	R	e	e	r	r
5	5	F	F	S	S	f	f	s	s
6	6	G	G	T	T	g	g	t	t
8	8	H	H	U	U	h	h	u	u
9	9	I	I	V	V	i	i	v	v
		J	J	W	W	j	j	w	w
		K	K	X	X	k	k	x	x
		L	L	Y	Y	l	l	y	y
		M	M	Z	Z	m	m	z	z

Q. Choose the alternative which is closely resembles the mirror image of the given combination.

1965 INDOPAK

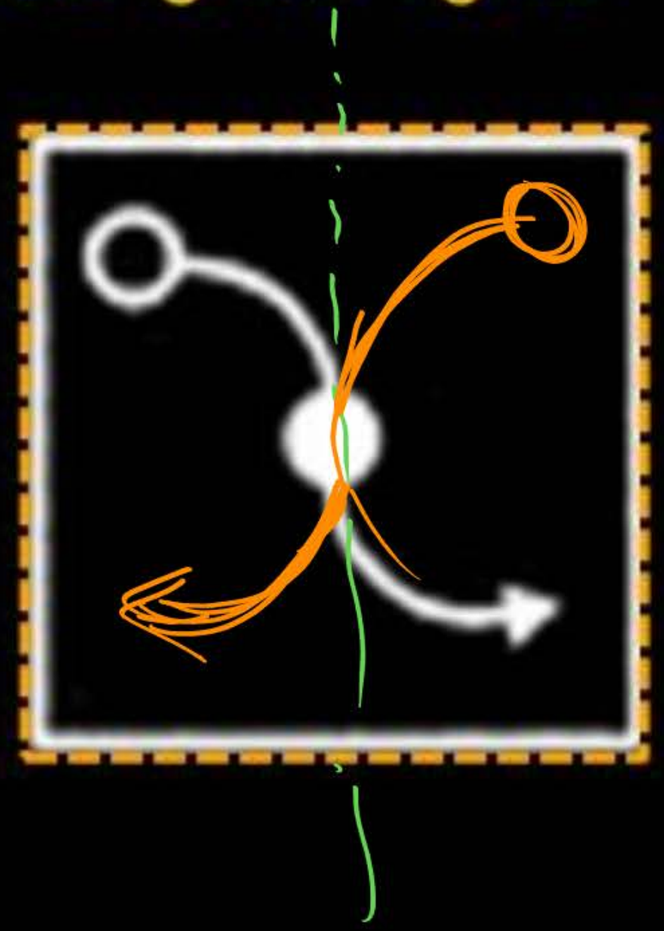
A.

B.

C.

D.

Q. Choose the correct mirror image of the given figure from amongst the four alternatives.



A.

B.

C.

D.

Q. Choose the alternative which is closely resembles the mirror image of the given combination.

A N S 4 3 Q 1 2

A.

B.

C.

D.

Q. Choose the alternative which is closely resembles the mirror image of the given combination.

TARAIN1014A

A.

B.

C.

D.

Q. Choose the alternative which is closely resembles the mirror image of the given combination.

EFFECTIVE

A.

B.

C. EVITCEFFE

D.

Q. Choose the alternative which is closely resembles the mirror image of the given combination.

M A L A Y A L A M

A. MALAYALAM

B.

C. MALAYALAM

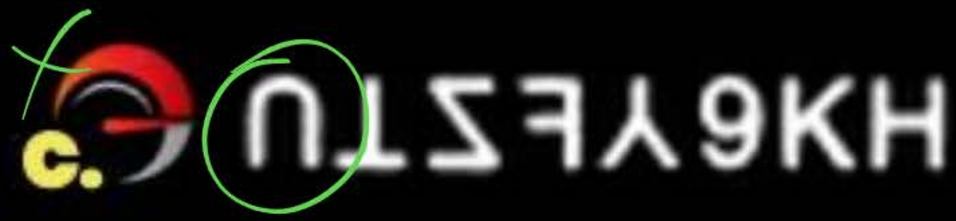
D. MALAYALAM

Q. Choose the alternative which is closely resembles the mirror image of the given combination.

U T Z F Y 6 K H

A.

B.

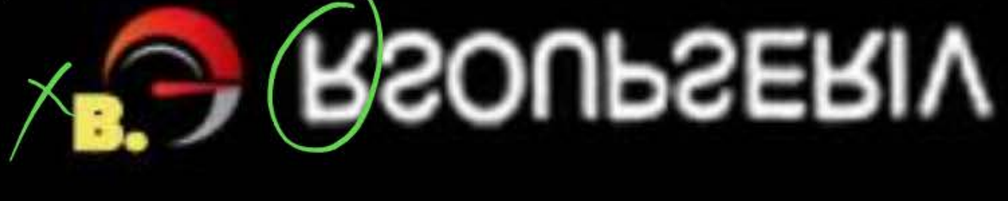
C. 

D.

Q. Choose the alternative which is closely resembles the mirror image of the given combination.

SUPERVISOR

A.

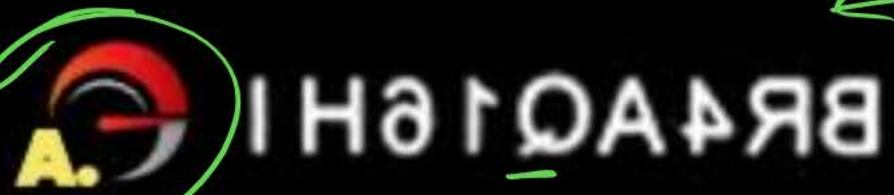
B. 

C.

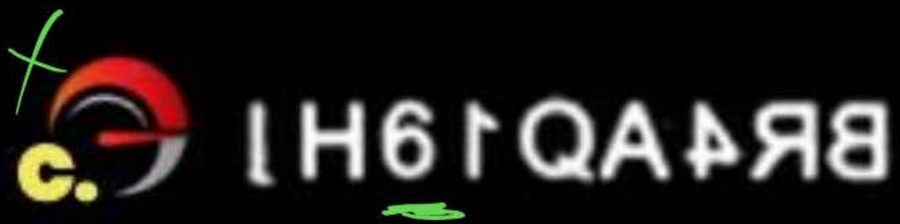
D.

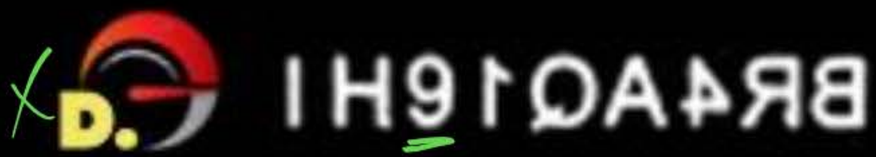
Q. Choose the alternative which is closely resembles the mirror image of the given combination.

B R 4 A Q 1 6 H I

A. 

B.

C. 

D. 

Q. Choose the alternative which is closely resembles the water image of the given combination.

D L 9 C G 4 7 2 8

A.

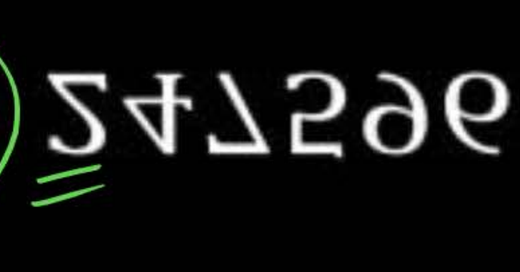
B.

C.

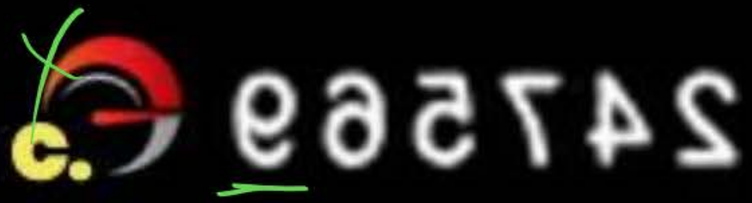
D.

Q. Choose the alternative which is closely resembles the water image of the given combination.

2 4 7 5 9 6

A. 

B.

C. 

D.

Q. Choose the alternative which is closely resembles the mirror image of the given combination.

Assignment

MAGAZINE

A.

B.

C.

D.

Q. Choose the correct mirror image of the given figure from amongst the four alternatives.

A.

B.

C.

D.

Q. Choose the correct mirror image of the given figure from amongst the four alternatives.

A.

B.

C.

D.

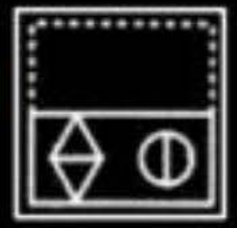
Assignment

Paper Folding

- In each of the following problems, a square transparent sheet (X) with a pattern is given. Figure out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

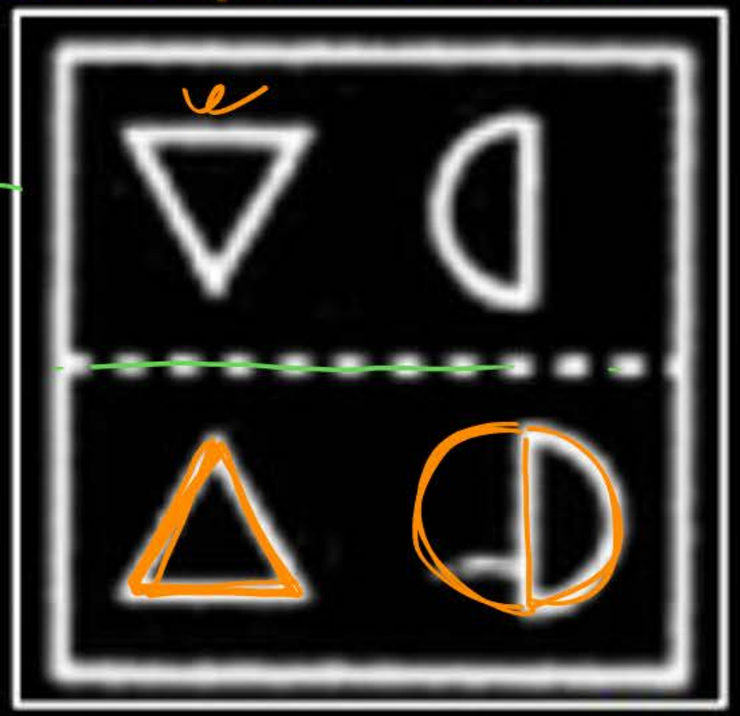
Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A.

B. 

C.

D.



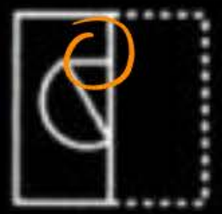
SQUARE SHEET (X)

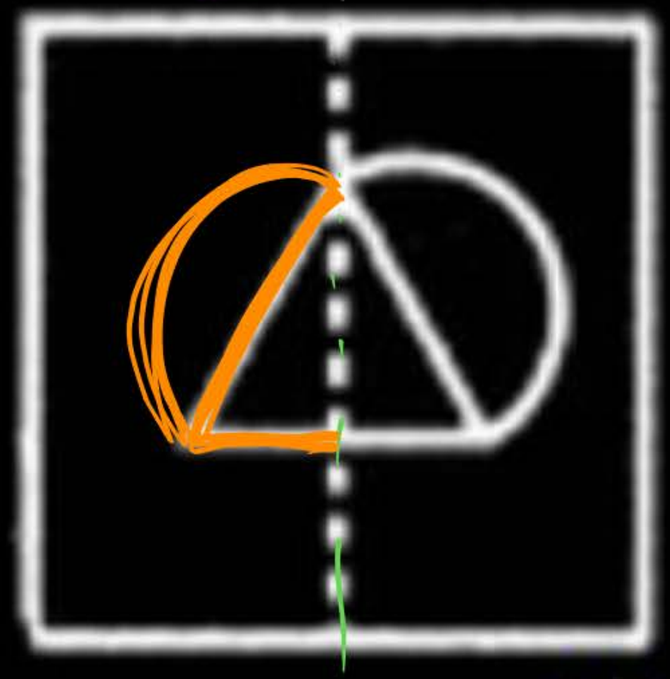
Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A.

B.

C.

D. 



SQUARE SHEET (X)

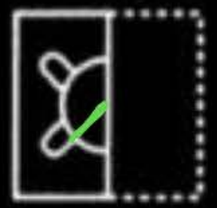
Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

SQUARE SHEET (X)

A.

B.

C.



D.

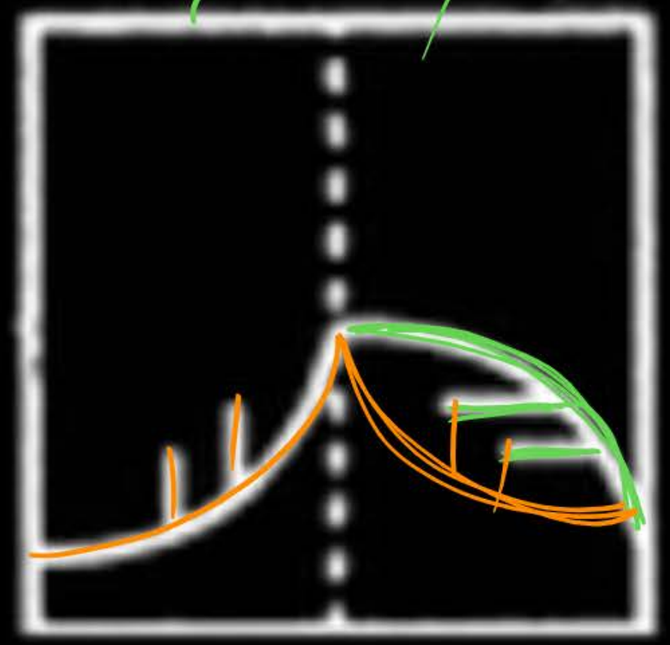
Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A.

B.

C.

D.



SQUARE SHEET (X)

Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A.

B.

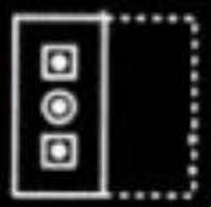
C.

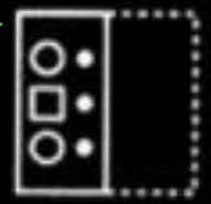
D.

SQUARE SHEET (X)

Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A.

B. 

C. 

D.

SQUARE SHEET (X)

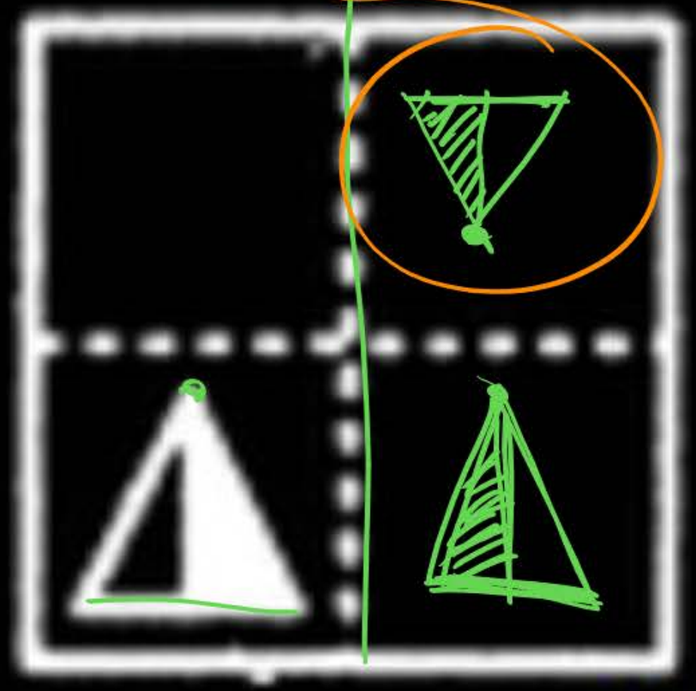
Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A.

B.

C.

D.



SQUARE SHEET (X)

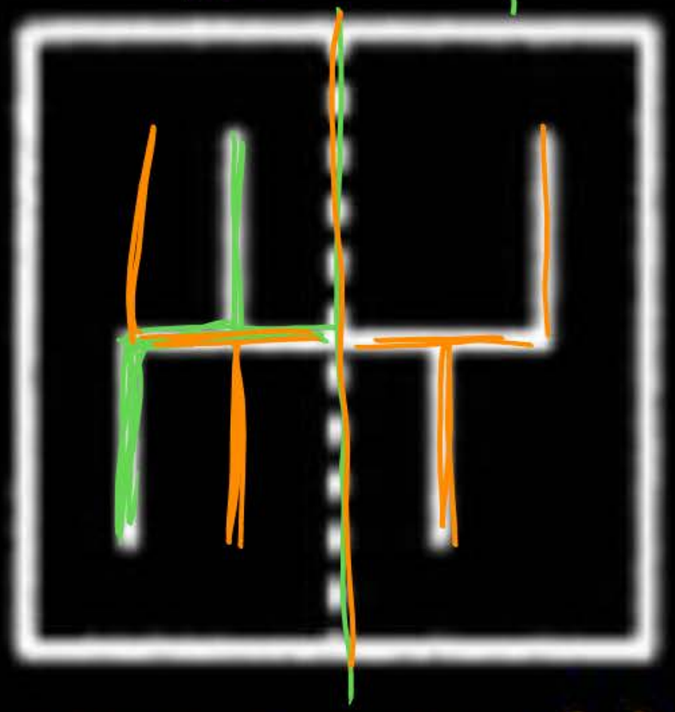
Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A.

B.

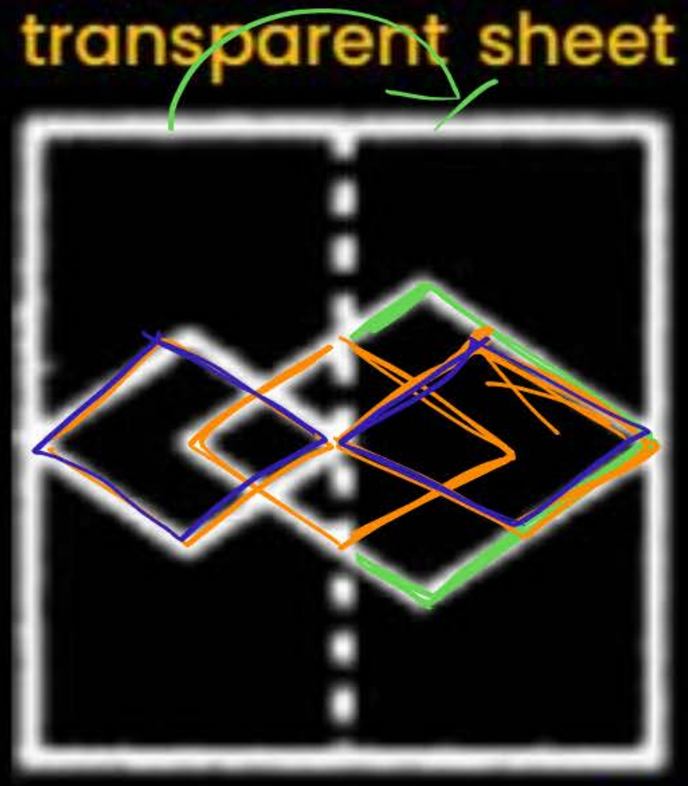
C.

D.



SQUARE SHEET (X)

Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



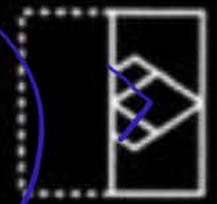
SQUARE SHEET (X)

A.

B.

C.

D.



Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A.

B.

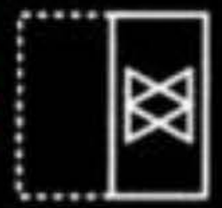
C.

D.

SQUARE SHEET (X)

Assignment

Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A. 

B.

C.

D.

SQUARE SHEET (X)

Assignment

Q. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.

A.

B.

C.

D.

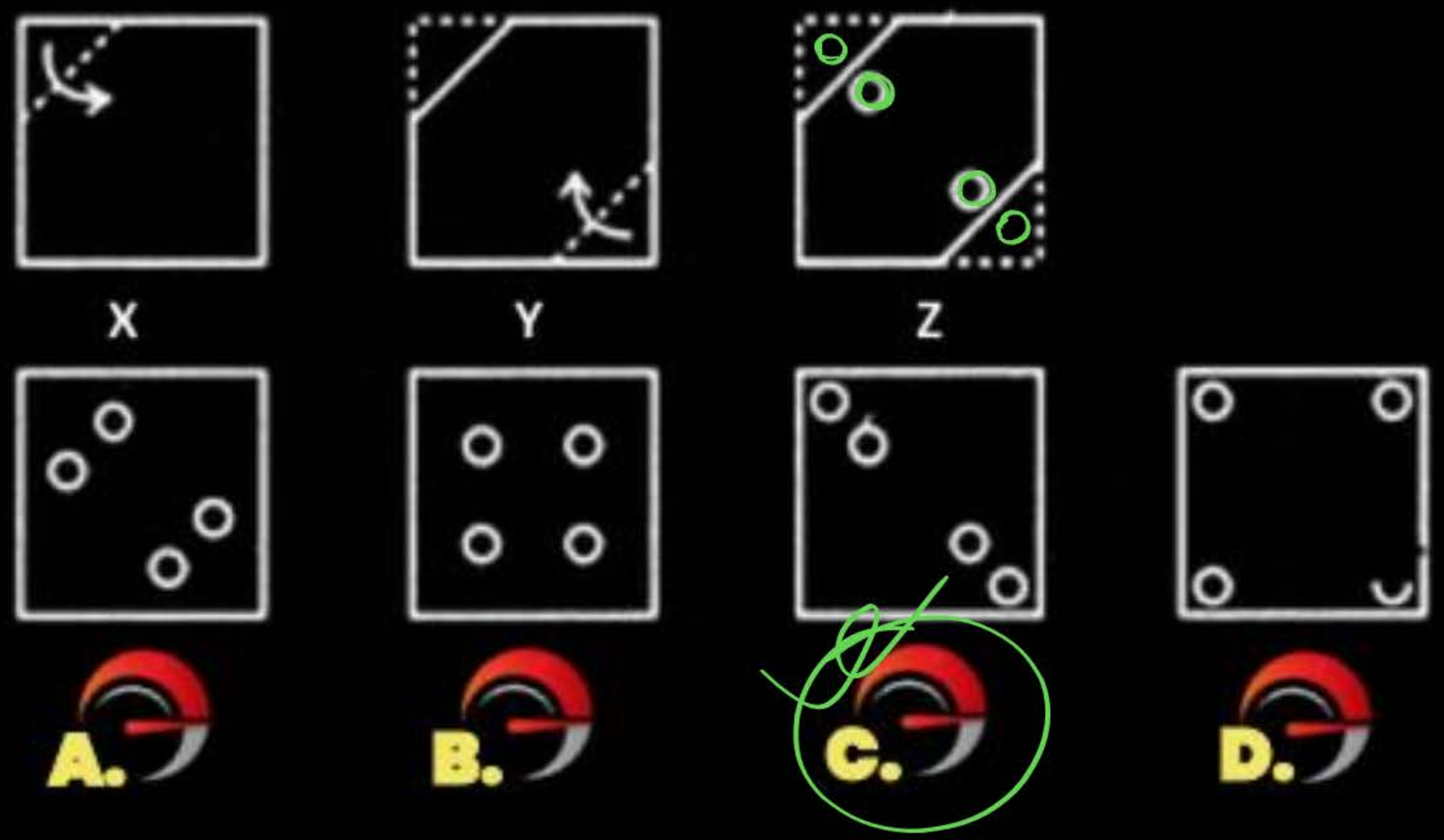
SQUARE SHEET (X)

Assignment

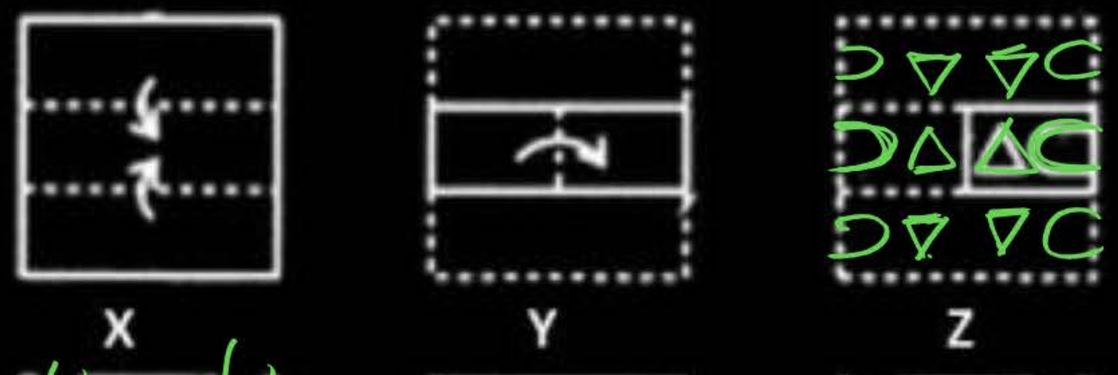
Paper Cutting

- Each of the following questions consists of a set of three figures X, Y and Z showing a sequence of folding of a piece of paper. Figure (Z) shows the manner in which the folded paper has been cut. These three figures are followed by four answer figures from which you have to choose a figure which would most closely resemble unfolded form of figure (Z).

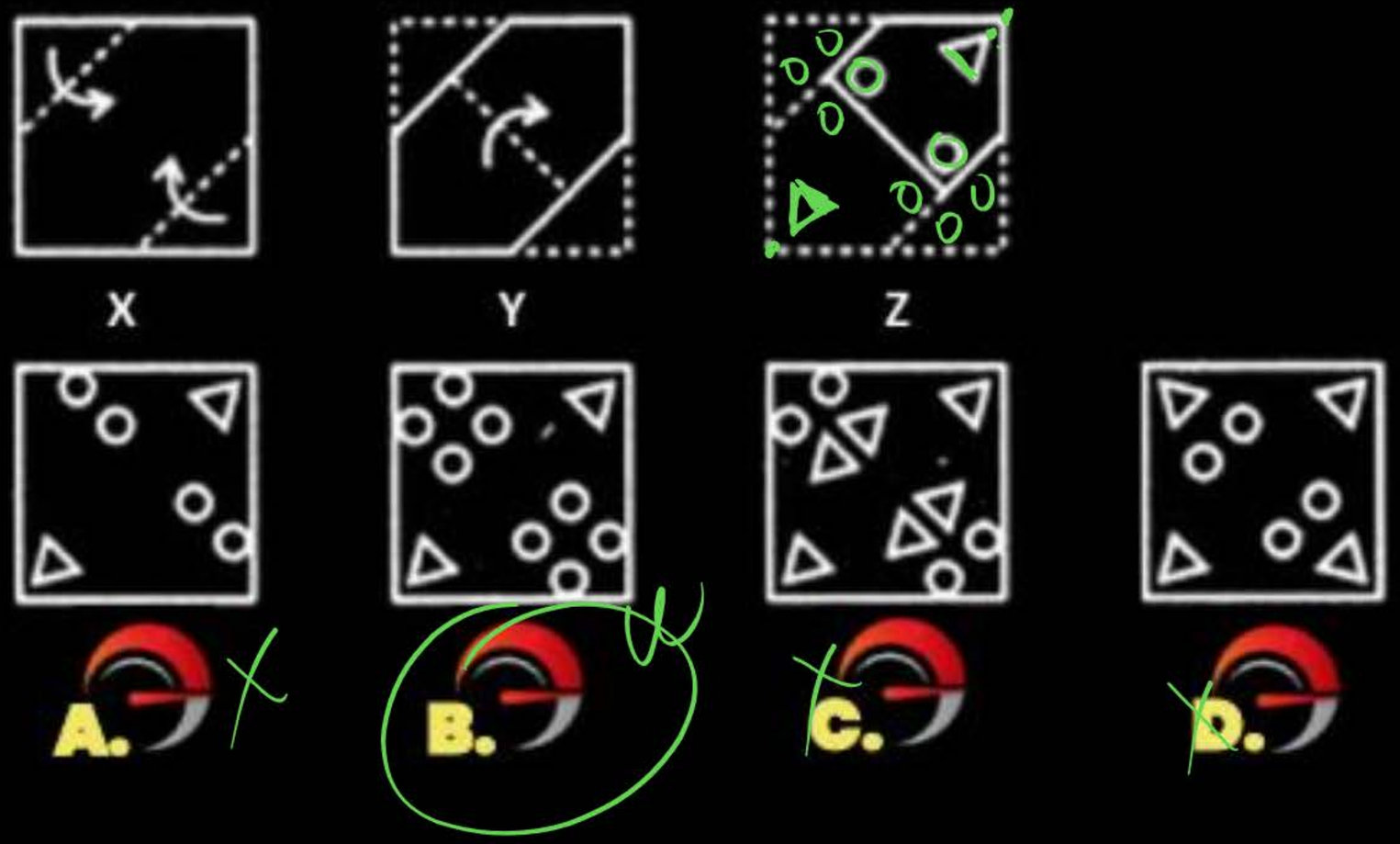
Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



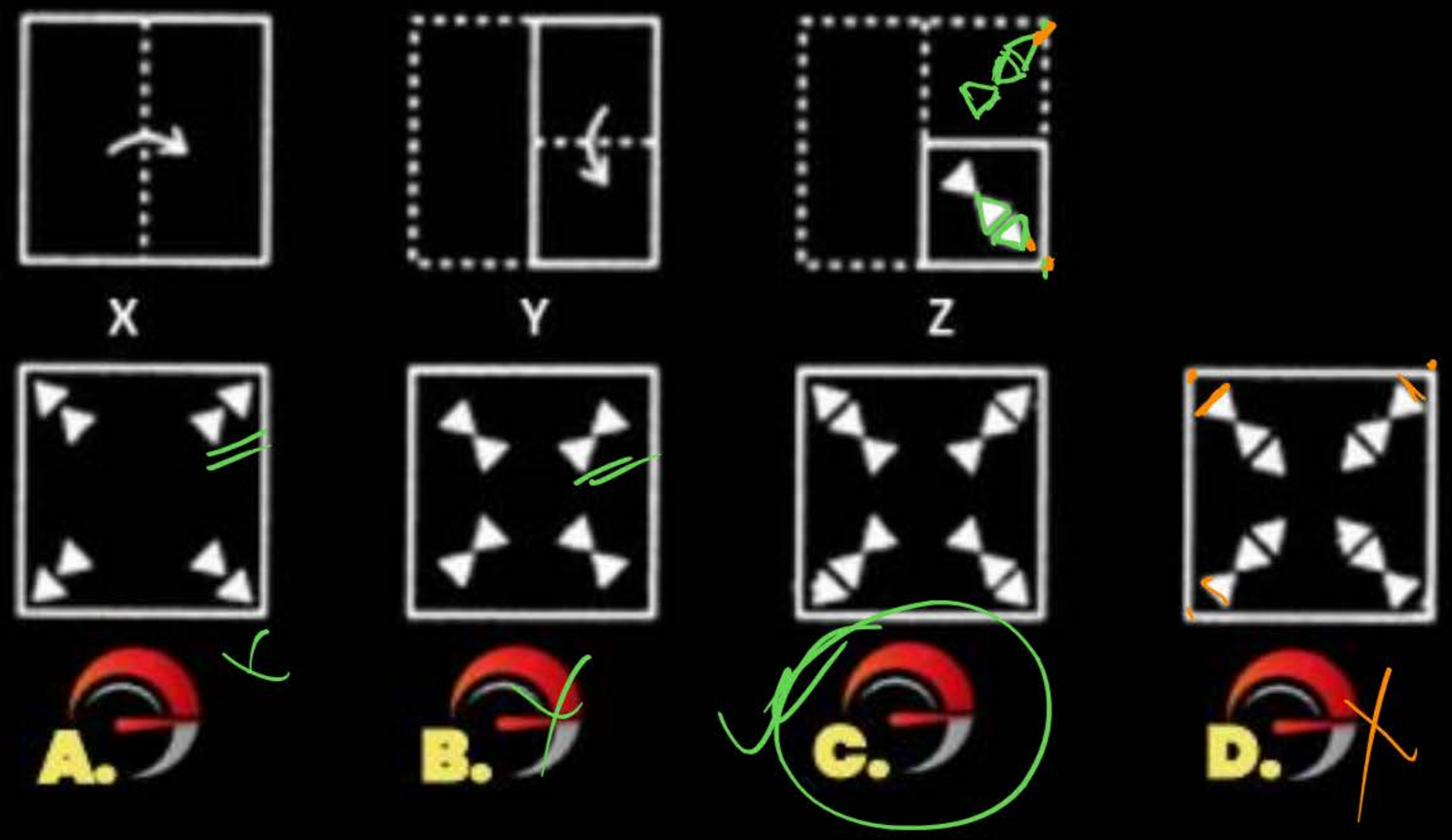
Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

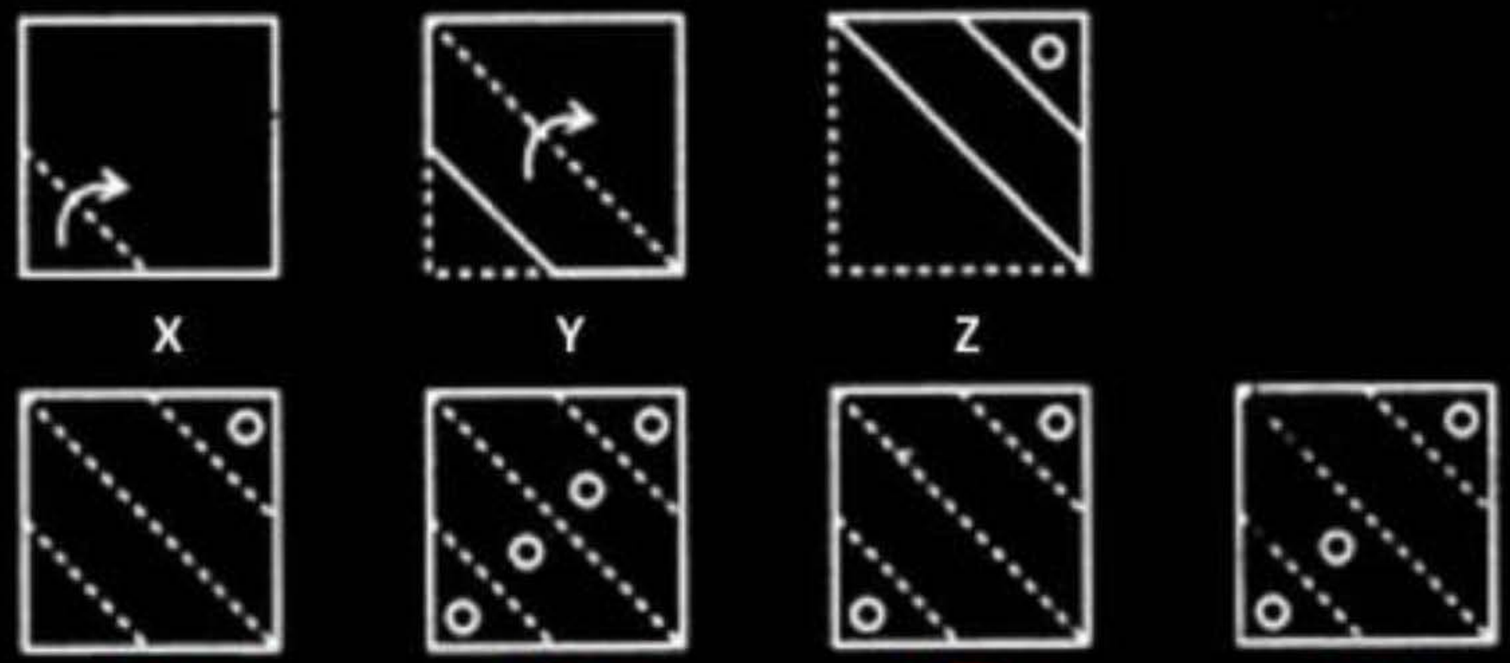


Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

Assignment



A.

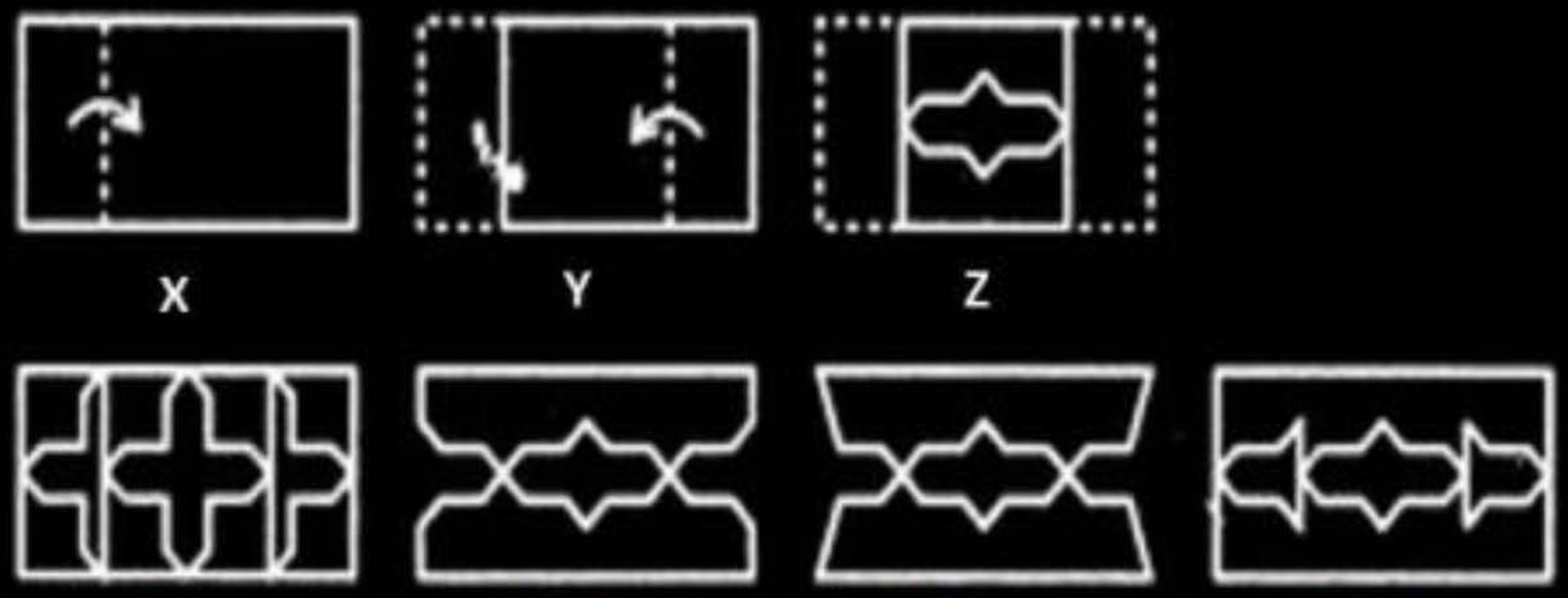
B.

C.

D.

Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

Assignment



A.

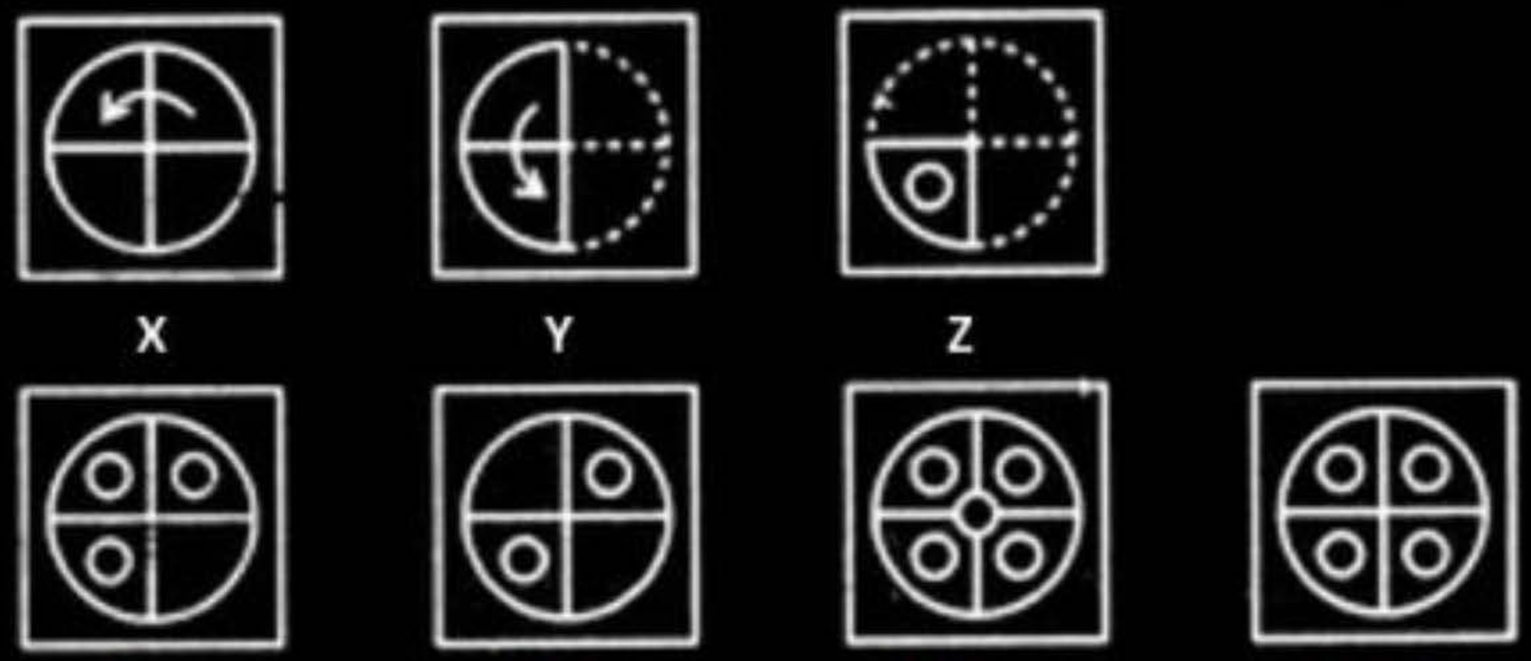
B.

C.

D.

Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

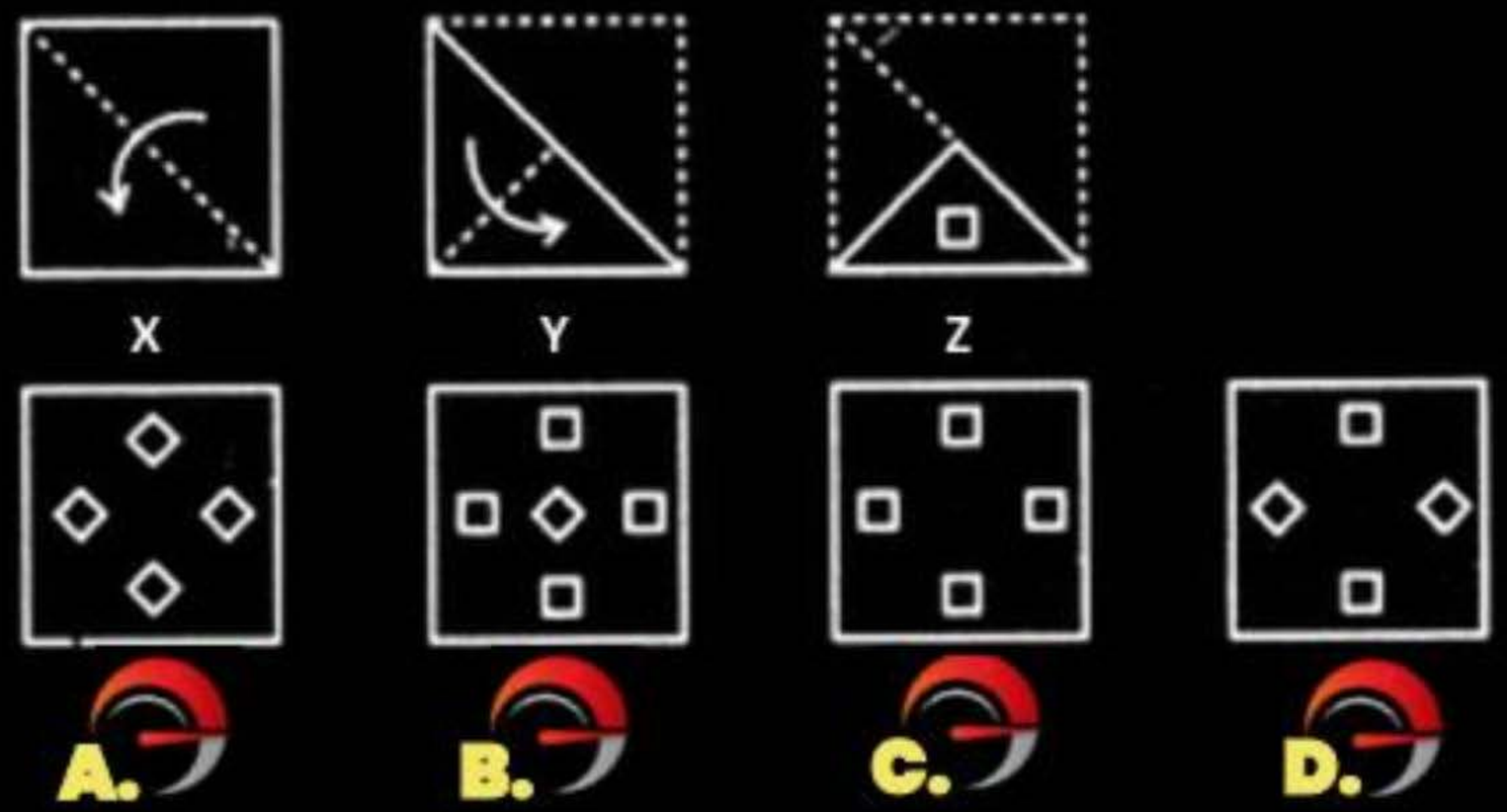
Assignment



A. B. C. D.

Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

Assignments



Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

Assignment

A. B. C. D.

Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

A. B. C. D.

Assignment

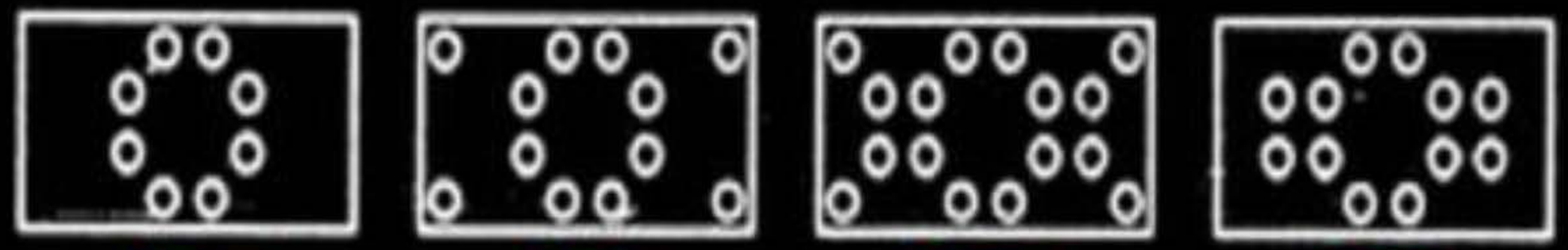
Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

A. B. C. D.

Assignment

Q. Choose a figure which would most closely resemble the unfolded form of Figure (Z).

Assignment



A. B. C. D.

Thank You !