

GATE-2023 CRASH COURSE

GENERAL APTITUDE

SPATIAL
APTITUDE-2

Lecture no- 12

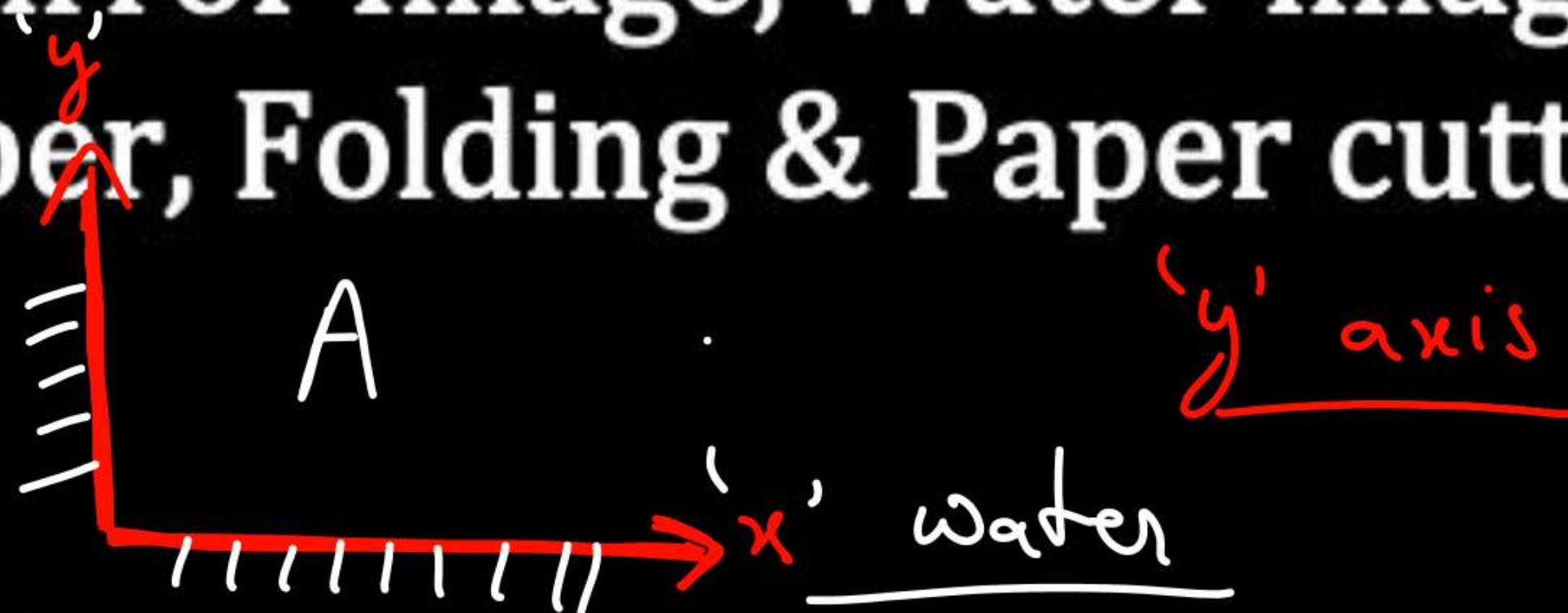
AMULYA RATAN SIR



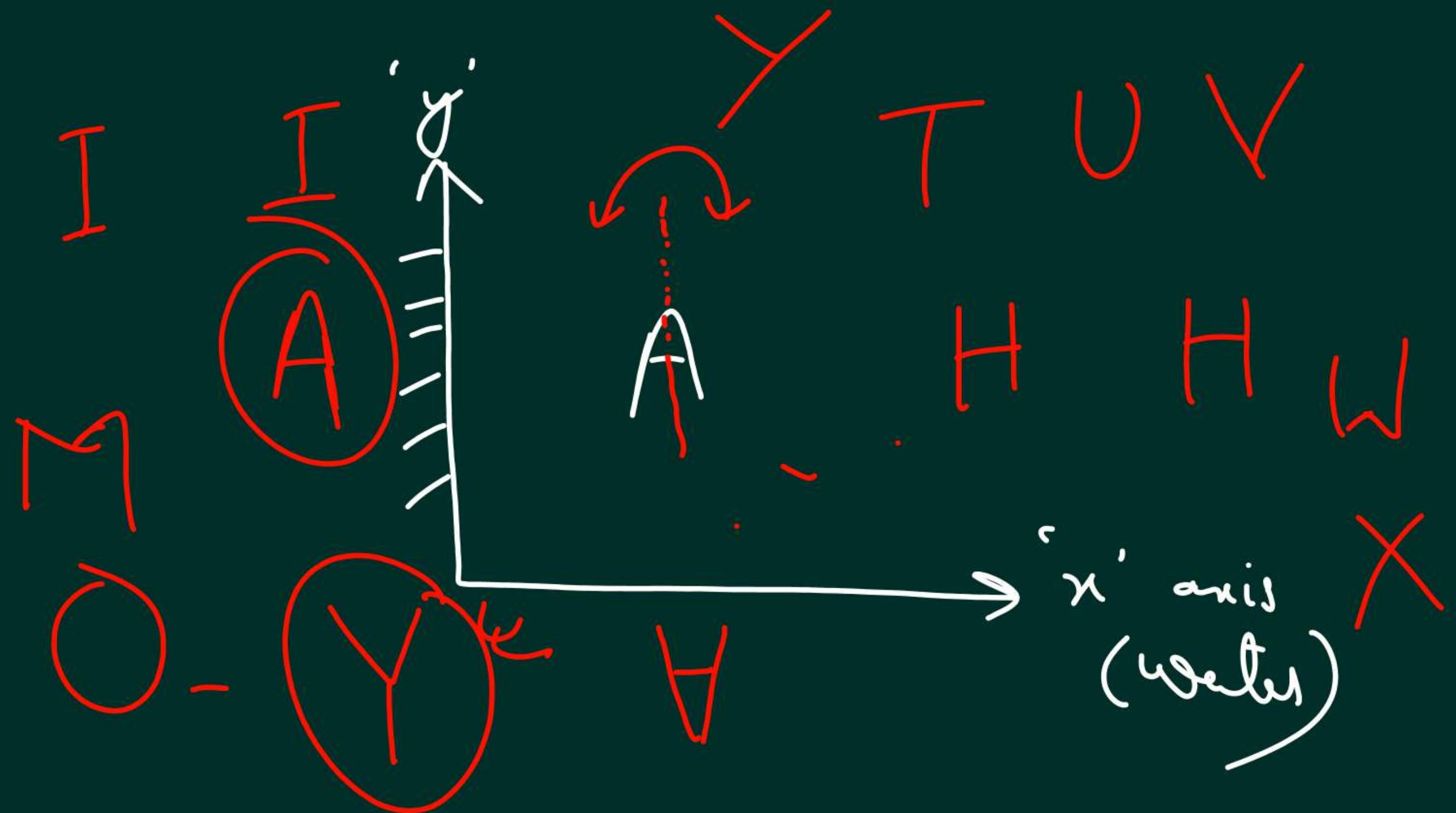
SPATIAL APTITUDE-2

Mirror

Mirror Image, Water image,
Paper, Folding & Paper cutting



"the ability to generate, retain, retrieve, and transform well-structured visual images"



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

MIRROR IMAGE

Digits

Alphabet (Big)

Alphabet (Small)

0 1 2 3 4 5 6 8 9

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

N O P Q R S T U V W X Y Z

a b c d e f g h i j k l m

n o p q r s t u v w x y z

Brainstorming 1

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

1965 INDOPAK

A 1965 INDOPAK

B 1965 INDOPAK

C 1965 INDOPAK

D 1965 INDOPAK



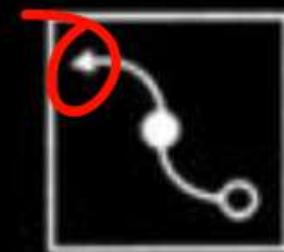
KAPODINDO



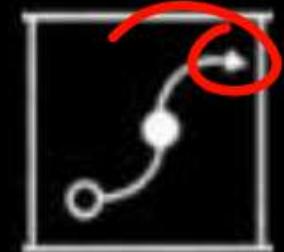
Brainstorming 2

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

A



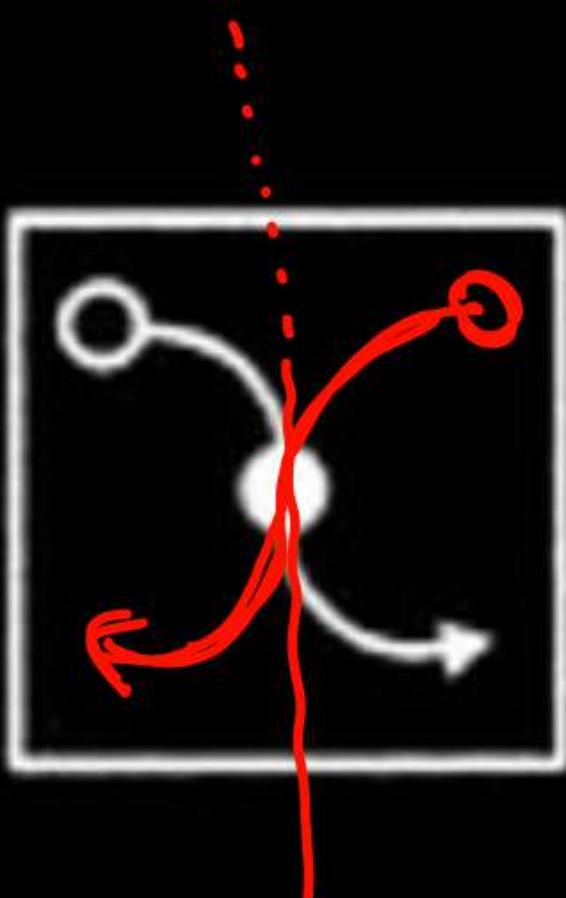
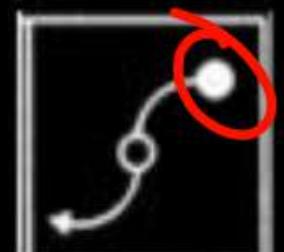
C



B



D



Brainstorming 3

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

ANS43Q12



ANS43Q12



21Q34ANS



ANS43Q12



12Q43ANS



Brainstorming 4

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

TARA IN 1014A

A

АФОГИИАЯАТ

B

АФОГИИАЯАТ



C

АФОГИАЯАИ

D

АФОГИИАЯАТ



Brainstorming 5

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

EFFECTIVE



- A EFFECEITVE
- B EVITCEFFE



- C EFFECEITVE
- D EVITCEFFE



- E EFFECEITVE
- F EVITCEFFE



Brainstorming 6

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

MALAYALAM



A

MALAYALAM

B

MAJAYAJAM

C

MAJAYAJAM

D

MADAYAGAM



Brainstorming 7

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

UTZFY6KH



A HK9Y6TUF
B 6TYFZTUKH

C HK9yaTzU
D 6TUFYKHKH



Brainstorming 8

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

SUPERVISOR



- A ЯОГИЧЯРПУС
- B АПЬЕЧЛІСОК

- C ВеопъгЕчіл
- D ГпъЕчліօց



Brainstorming 9

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

BR4AQ16HI

δ Q Q

- A I H a t Q A R Y B
- B I H 6 t Q A R Y B

- C I H a t Q A R Y B
- D I H 9 t Q A R Y B



Brainstorming 10

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

247596 ↦

- A 247596
- B easTAs

- C S4T2e6
- D aeS7AeS



Brainstorming 11

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

DL 9CG4728 e ↘

- A ~~D~~ 8214728
- B 8214728 ~~D~~

G 8214728

P ~~DL~~ 8214728



Brainstorming 12

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

MAGAZINE



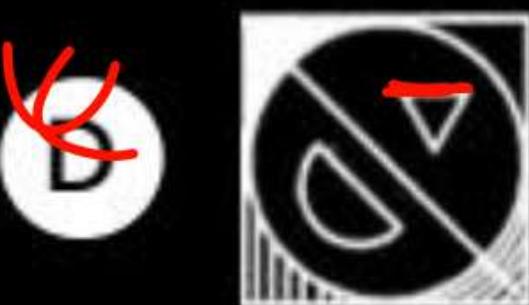
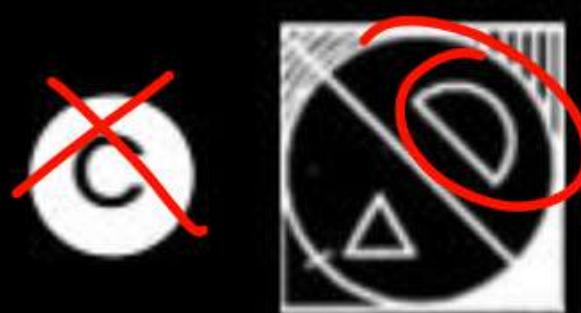
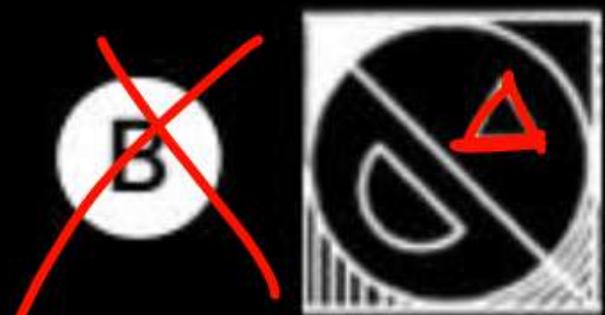
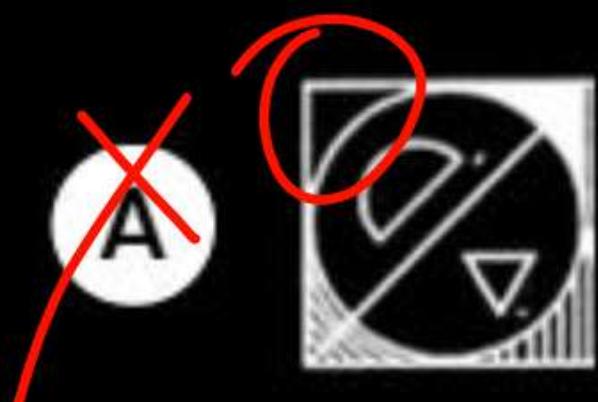
- A МАГАЗИН
- B ЗАГИНАМ

- C МАГАЗИН
- D НИЗАГАМ



Brainstorming 14

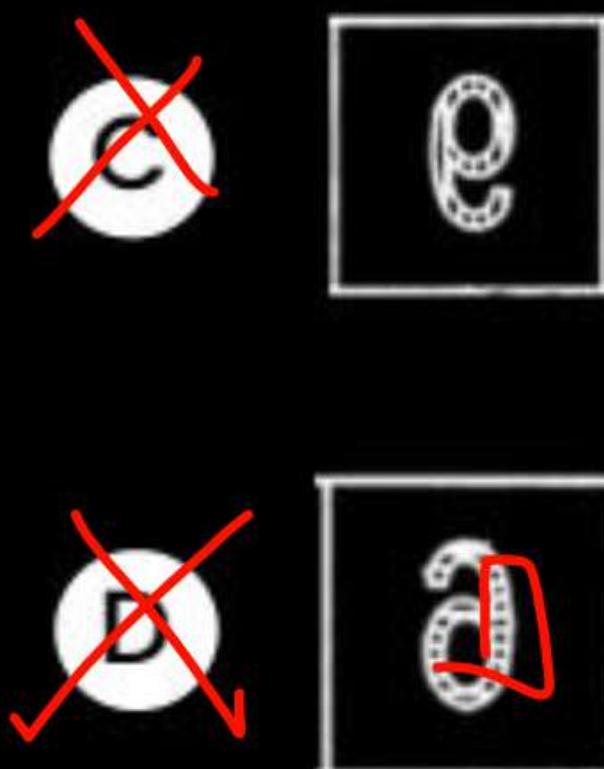
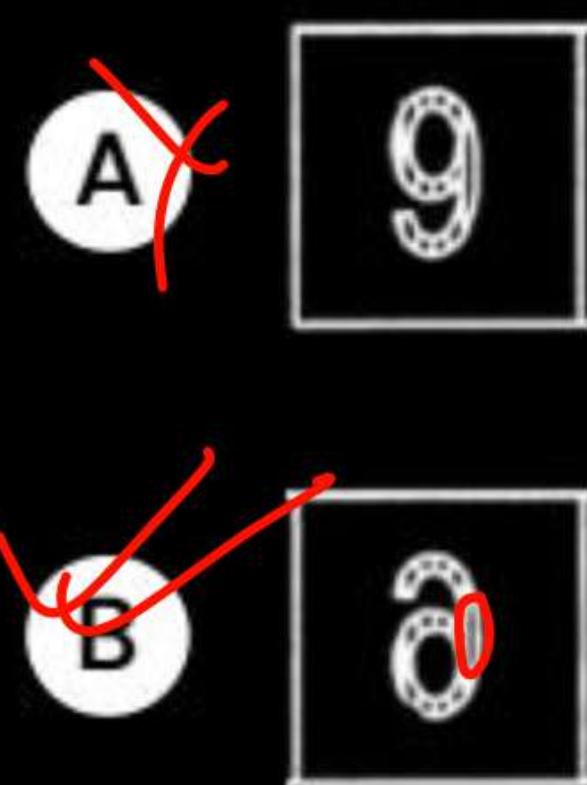
Choose the correct mirror image of the given figure from amongst the four alternatives.



Brainstorming 15

b d

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

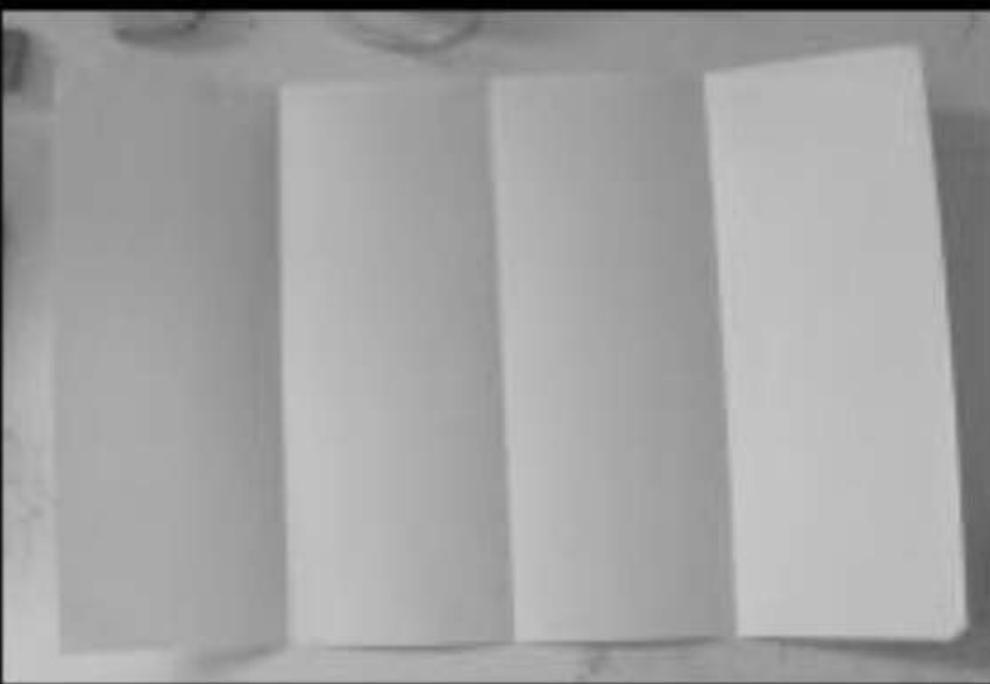


"the ability to generate, retain, retrieve, and transform well-structured visual images"



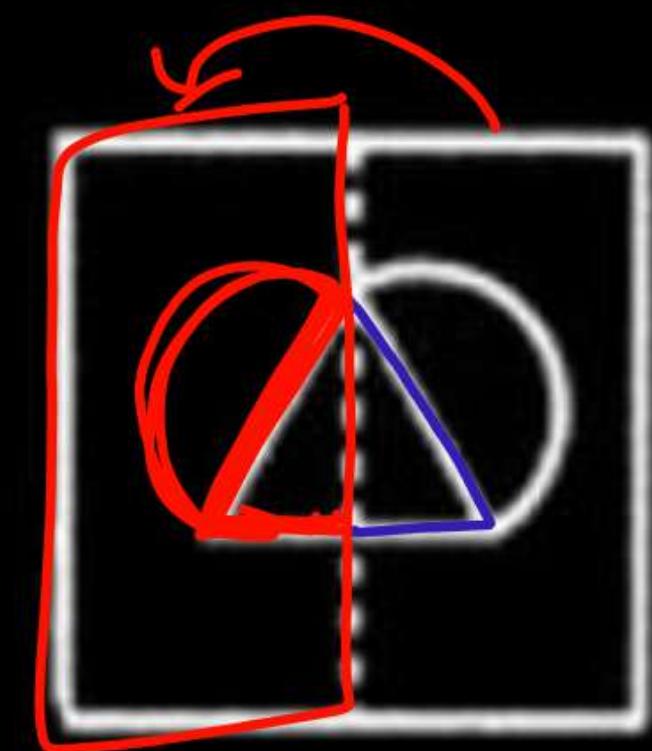
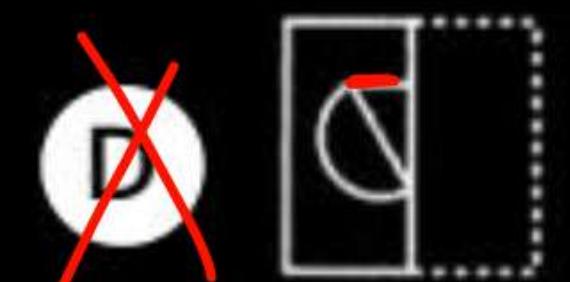
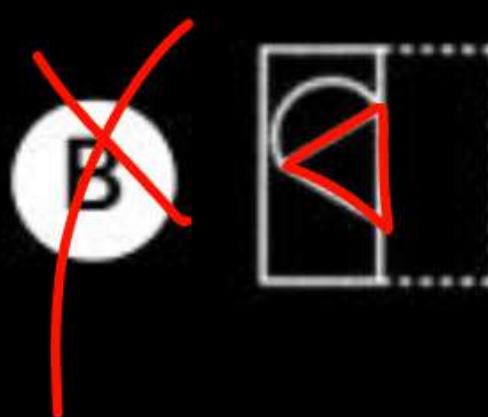
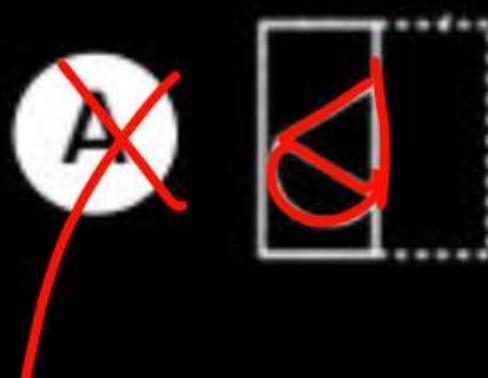
PAPER FOLDING

- Question 16 to 30): 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.



Brainstorming 16

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

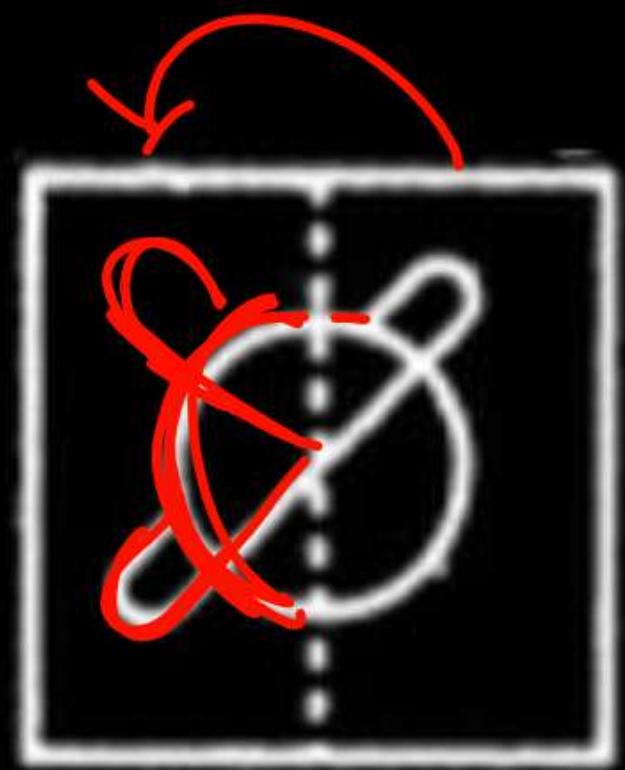
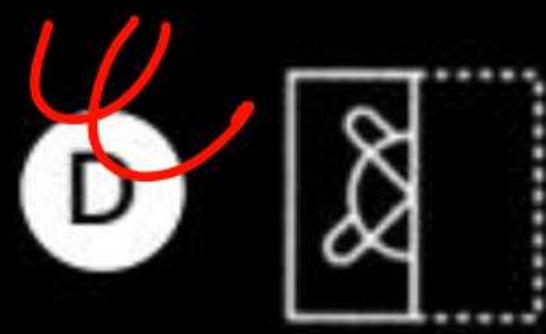
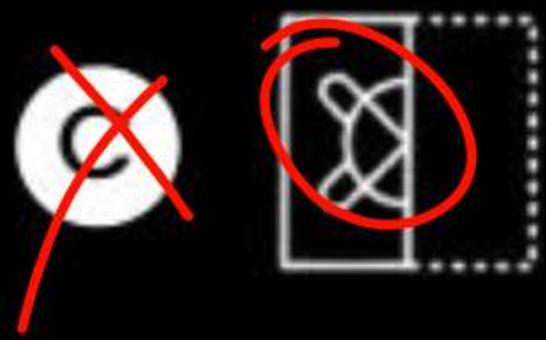
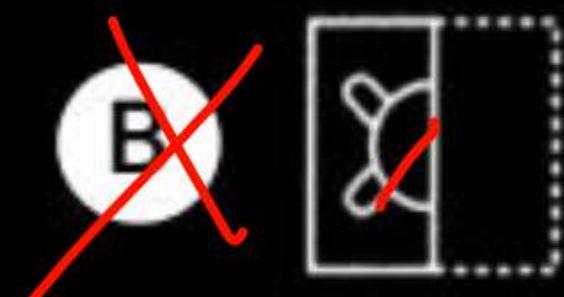
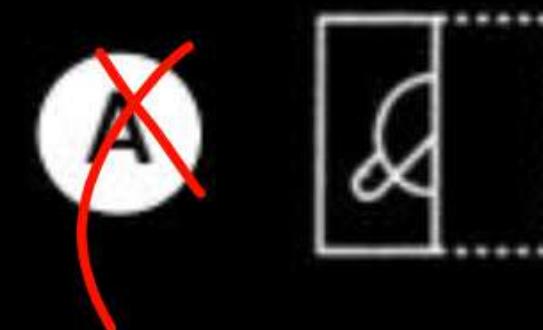


SQUARE SHEET (X)



Brainstorming 17

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

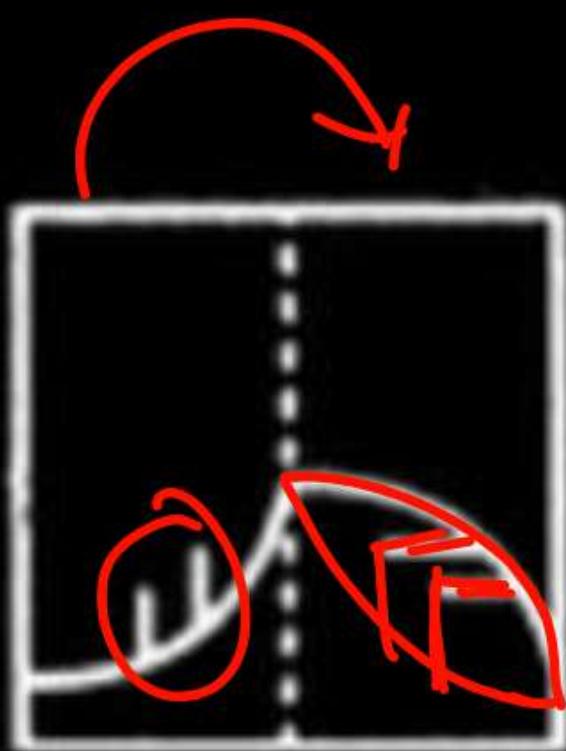
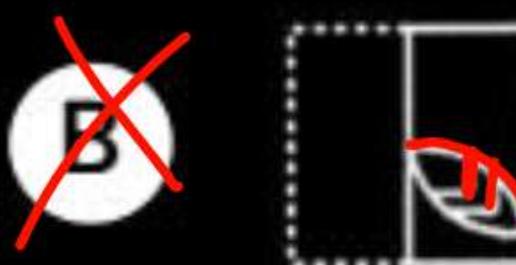
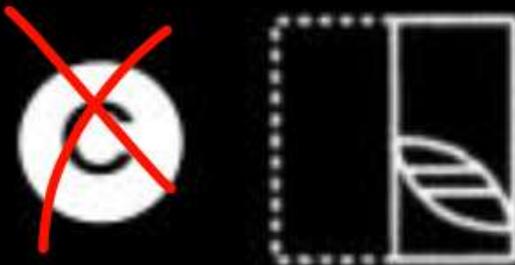


SQUARE SHEET (X)



Brainstorming 18

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

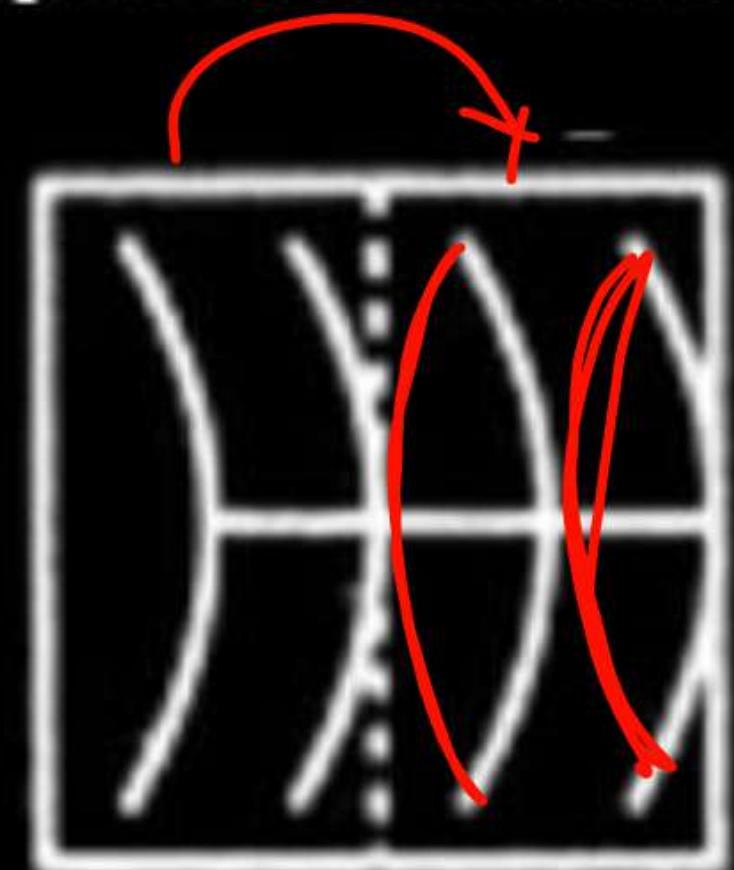
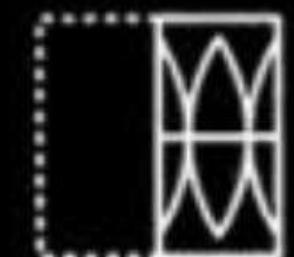
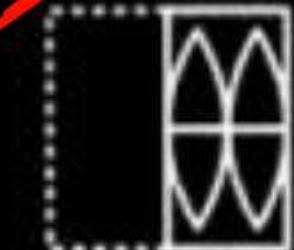
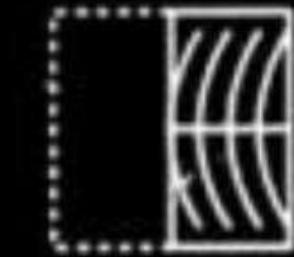
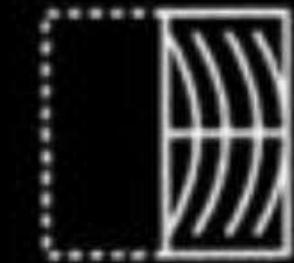


SQUARE SHEET (X)



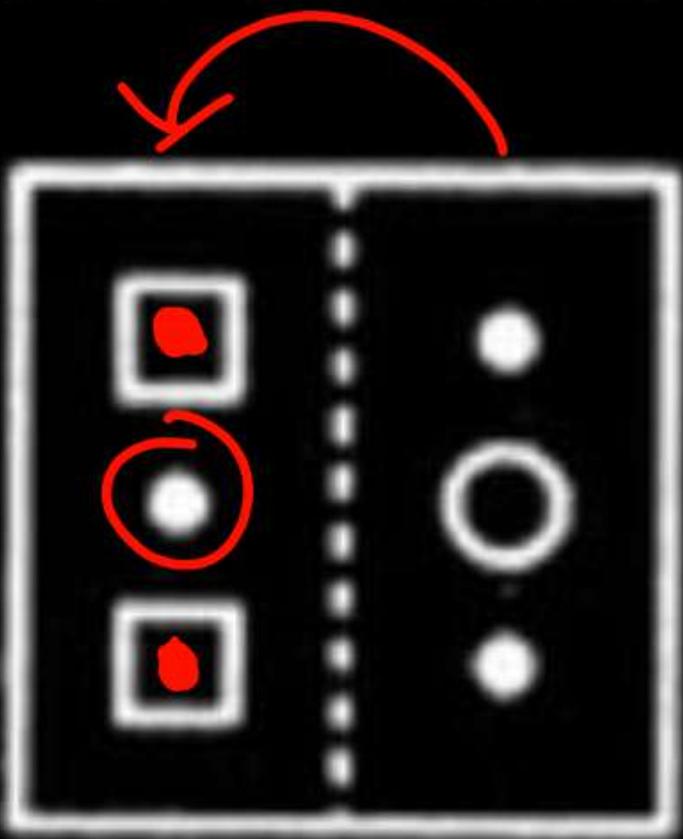
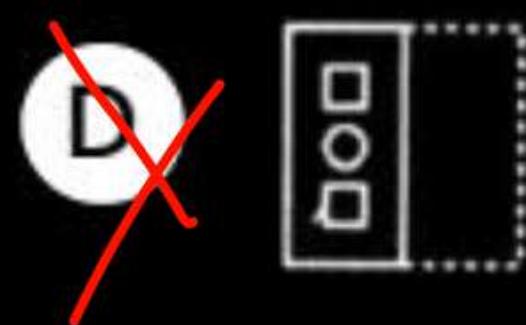
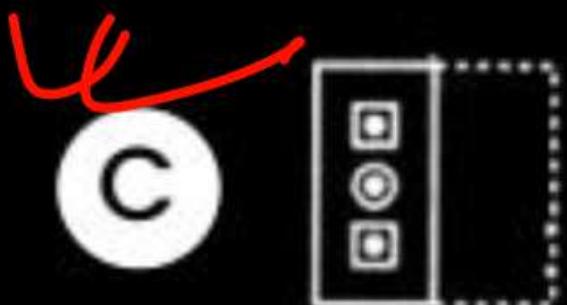
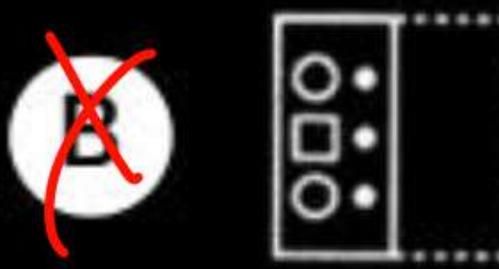
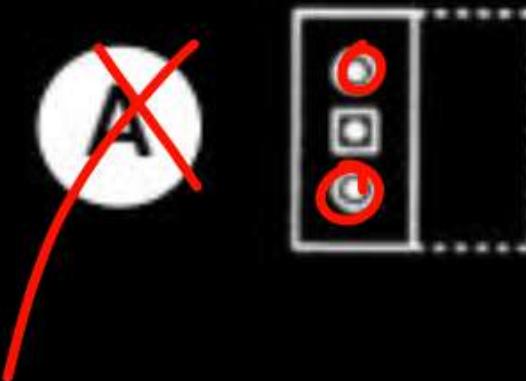
Brainstorming 19

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



Brainstorming 20

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

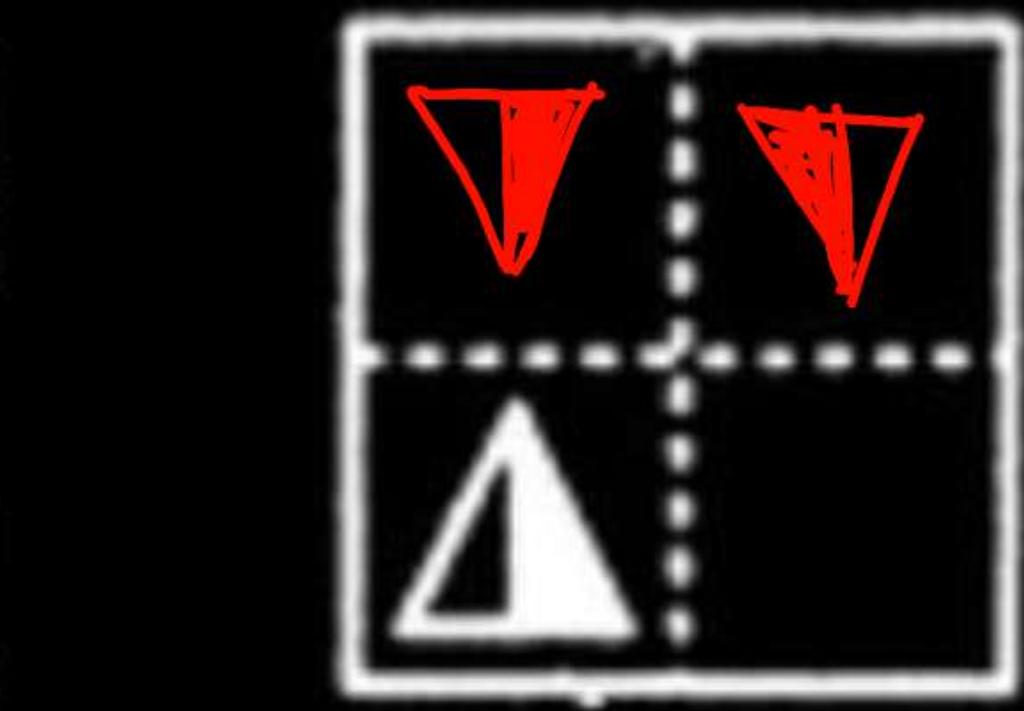
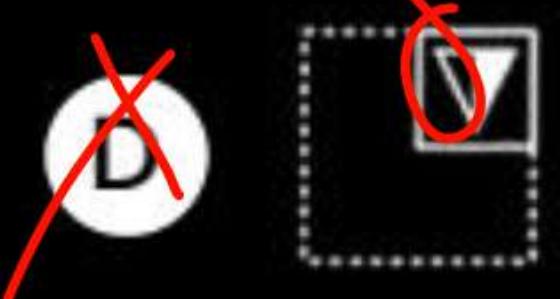
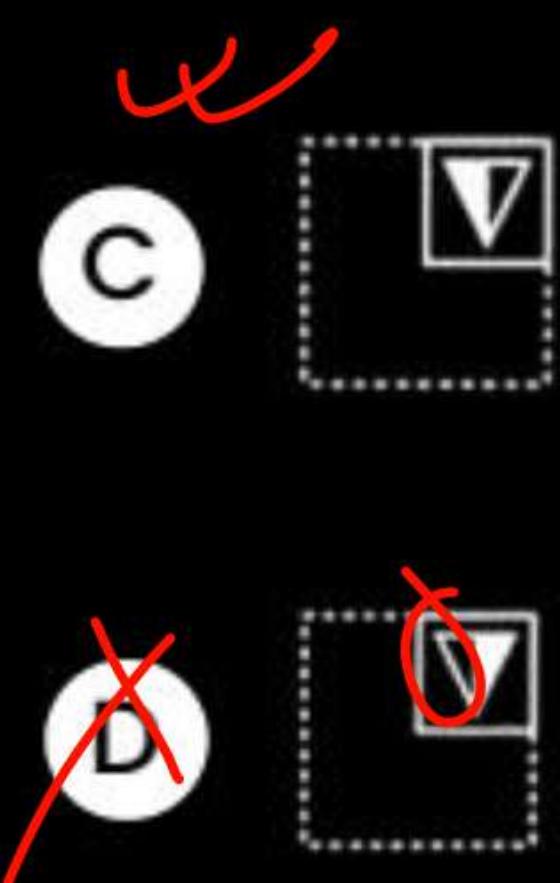
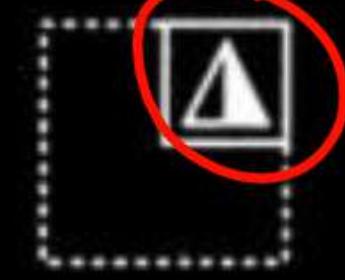
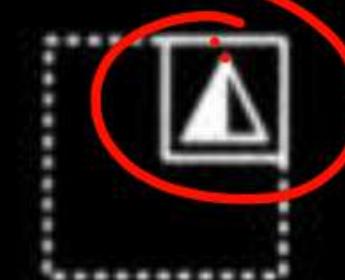


SQUARE SHEET (X)



Brainstorming 21

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)



Brainstorming 22

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



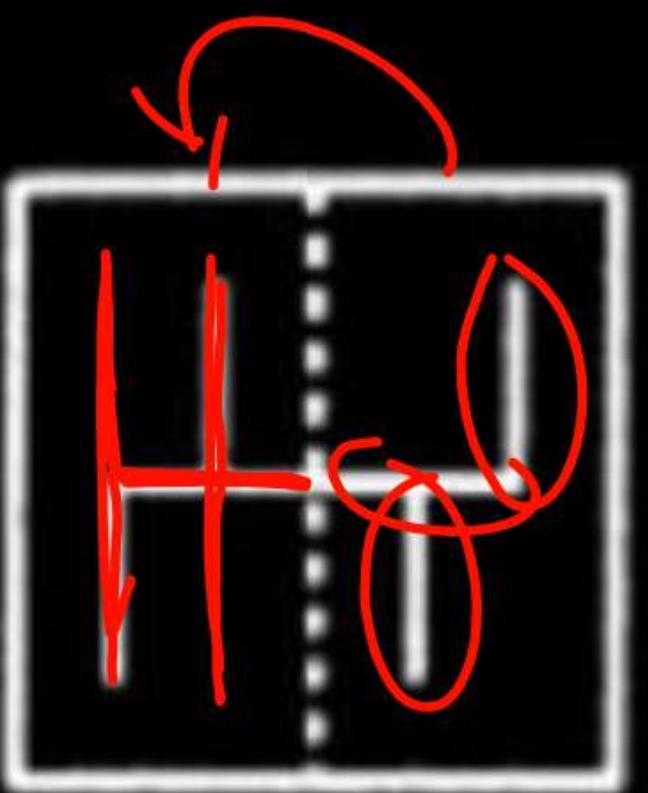
B



C



D

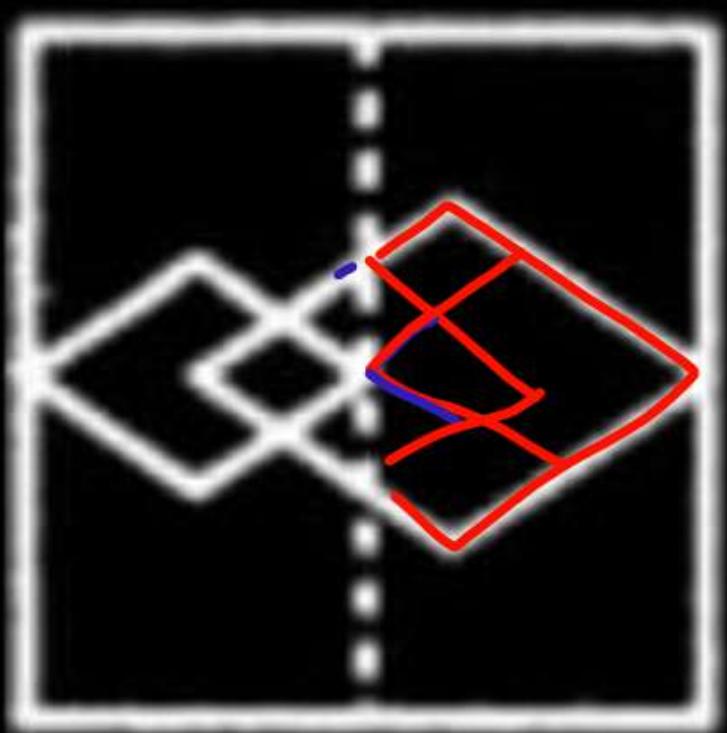
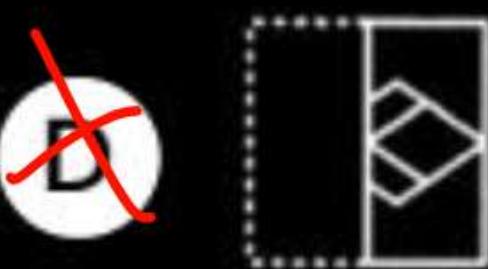
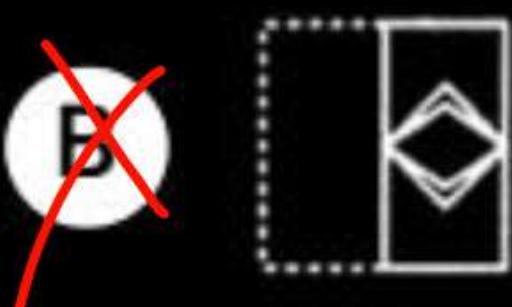
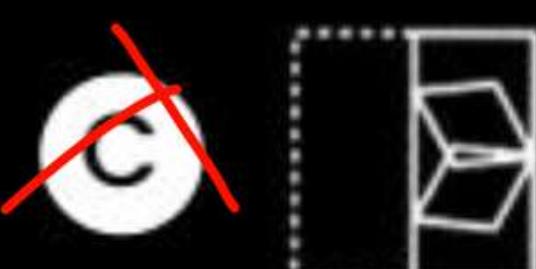


SQUARE SHEET (X)



Brainstorming 23

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

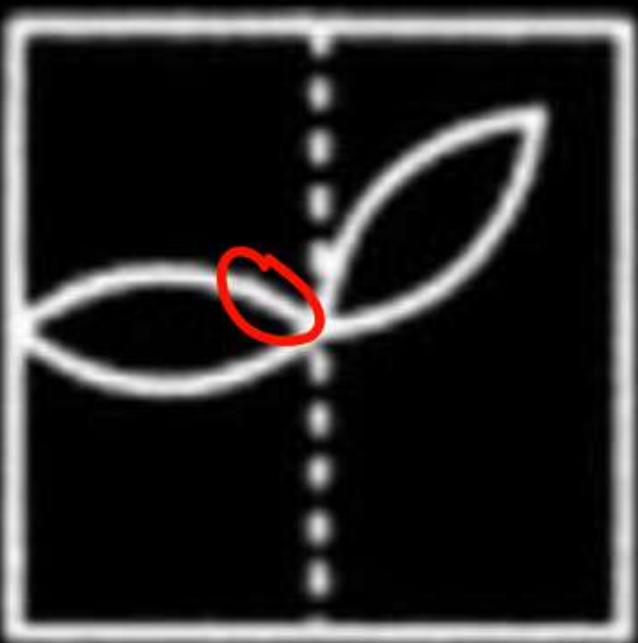
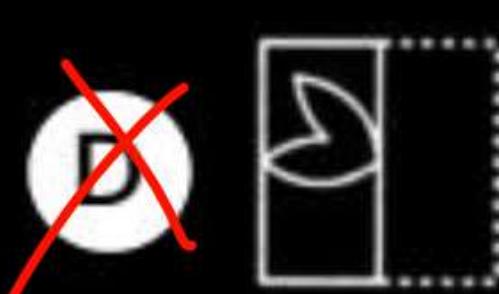
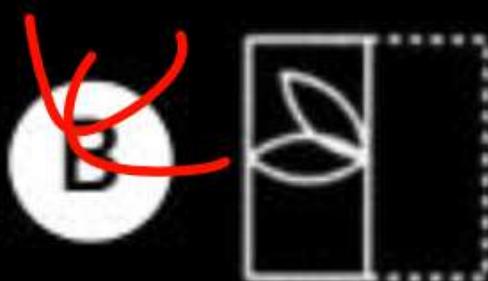
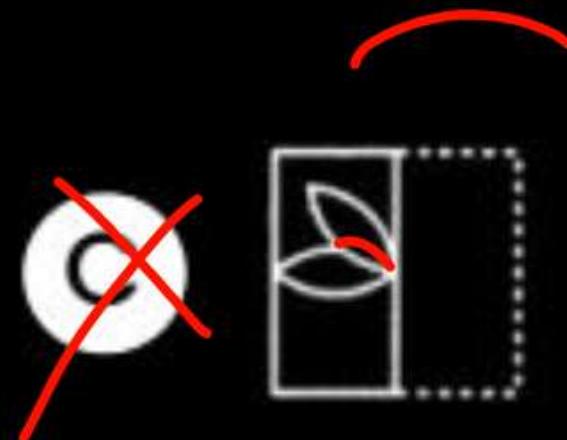
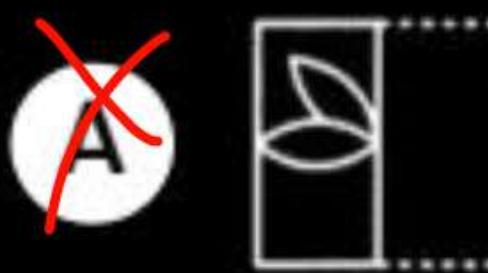


SQUARE SHEET (X)



Brainstorming 24

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

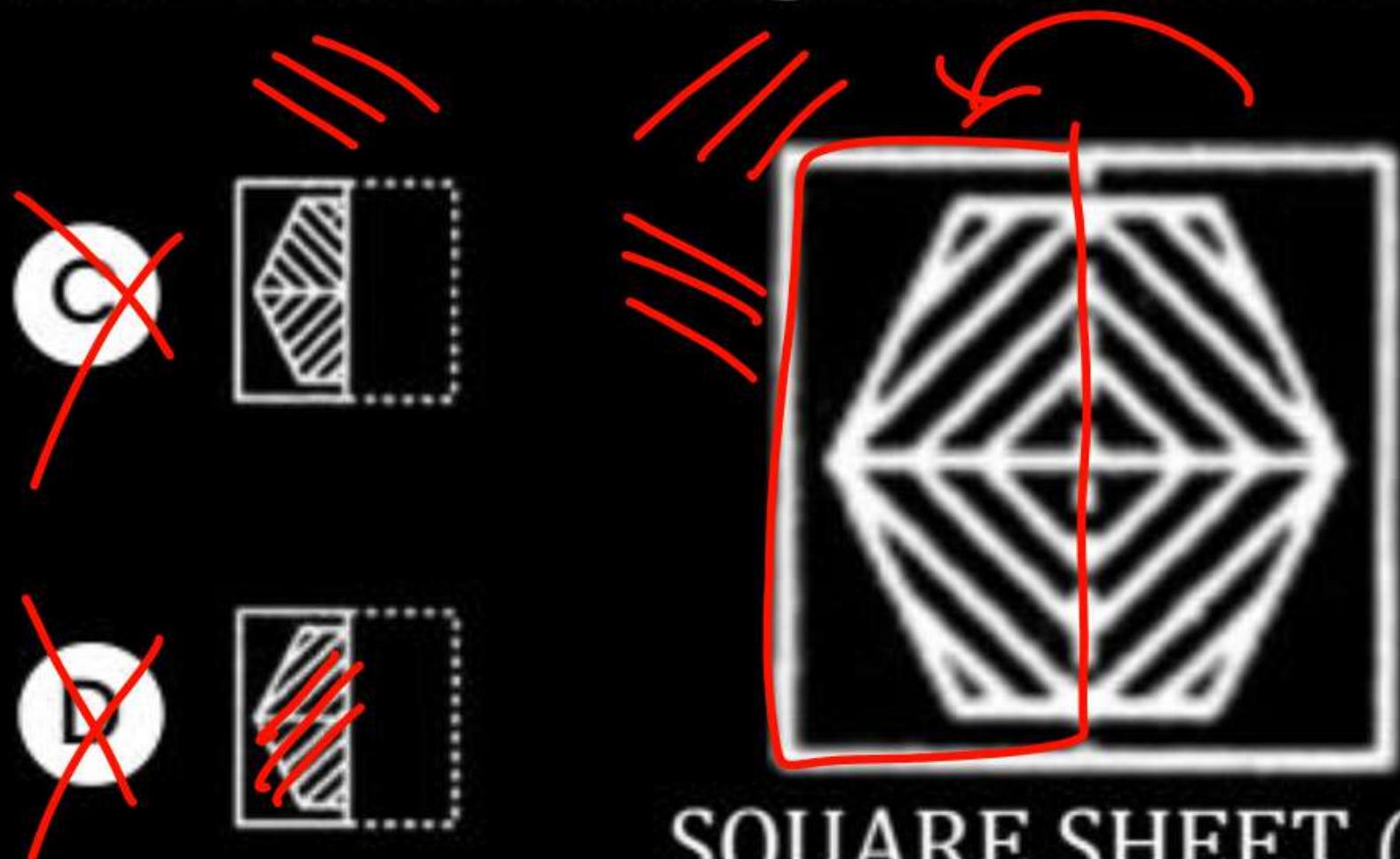
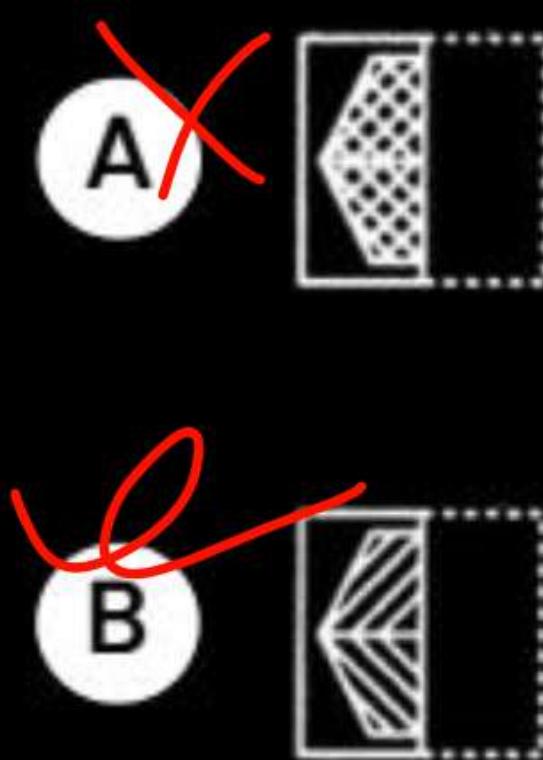


SQUARE SHEET (X)



Brainstorming 25

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

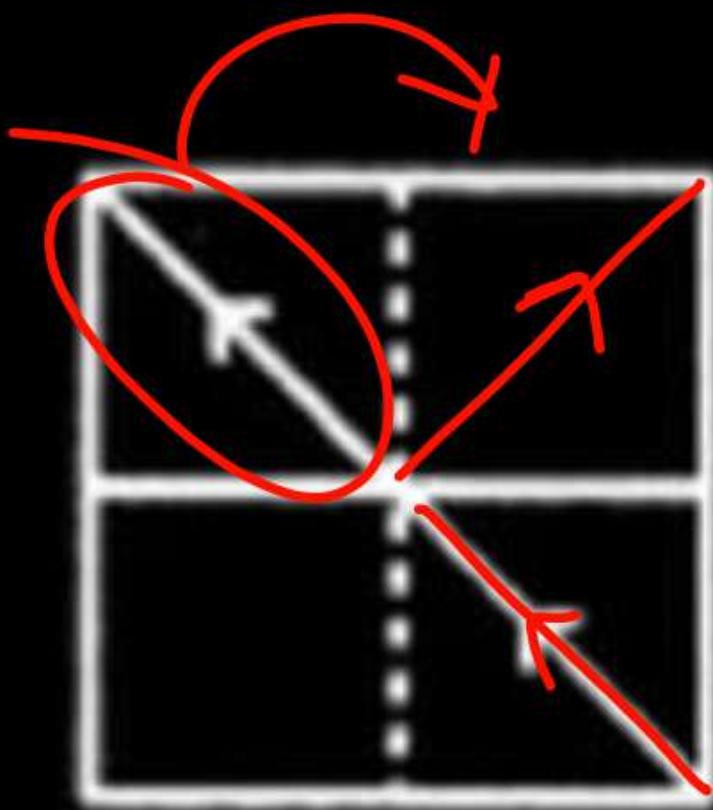
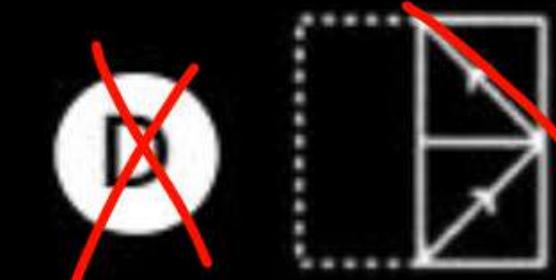
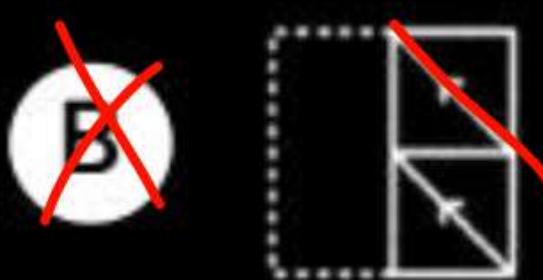
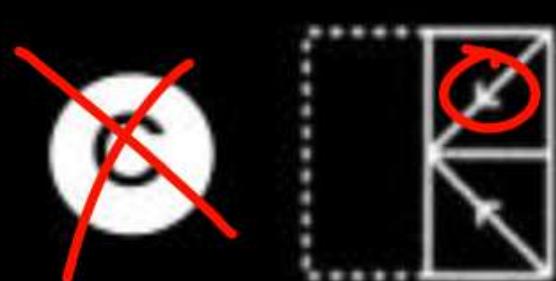
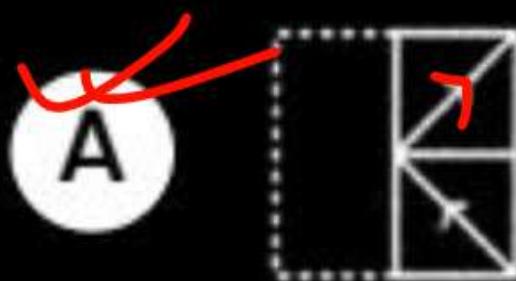


SQUARE SHEET (X)



Brainstorming 26

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

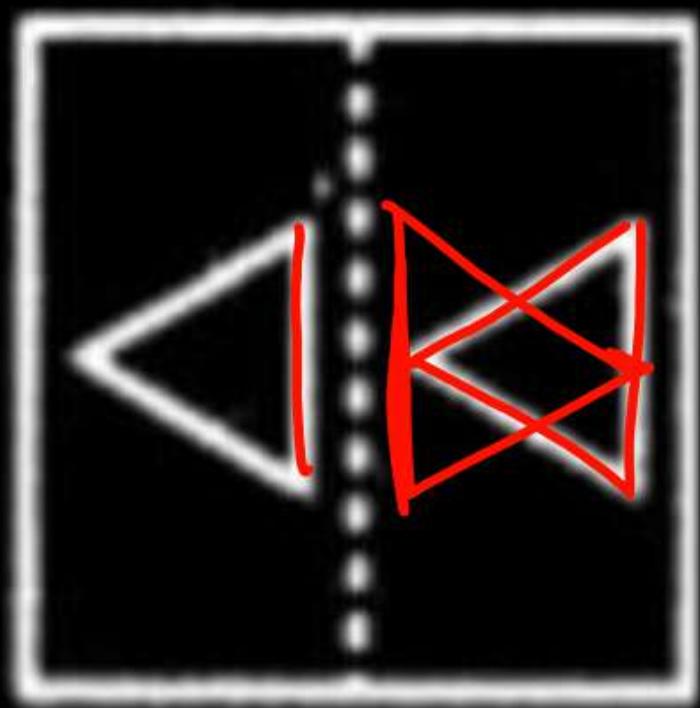
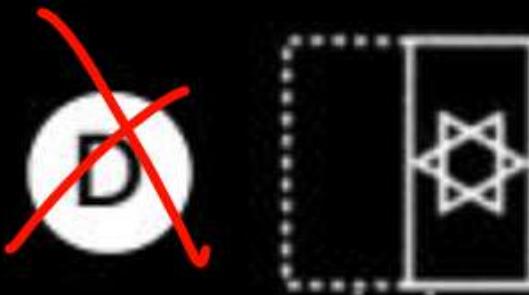
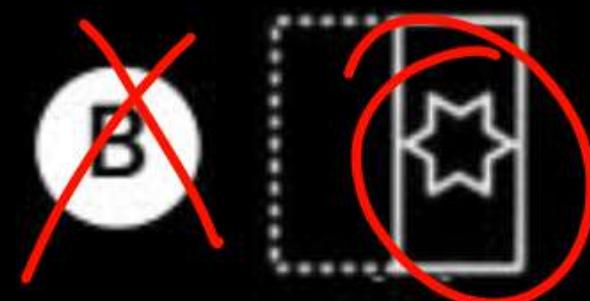
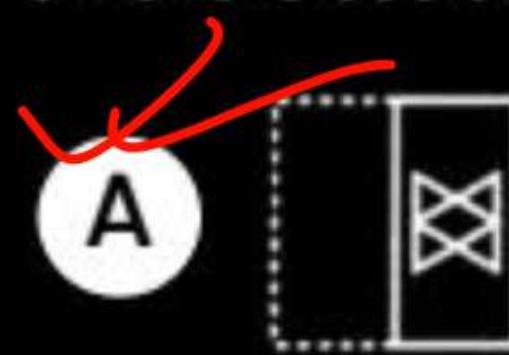


SQUARE SHEET (X)



Brainstorming 27

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

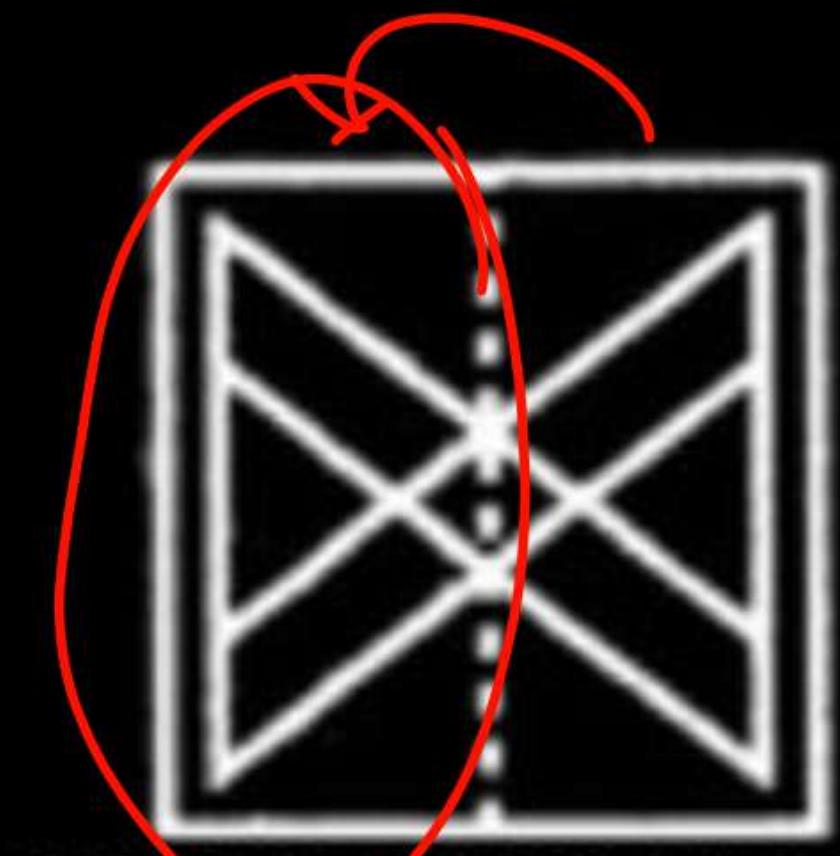
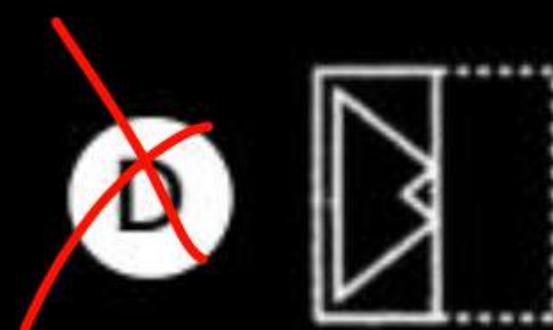
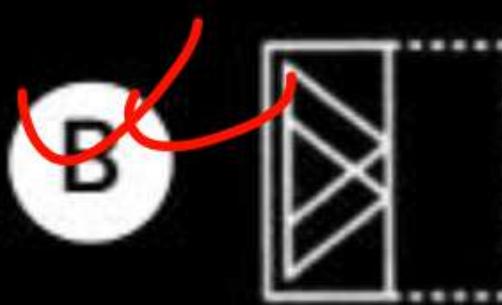
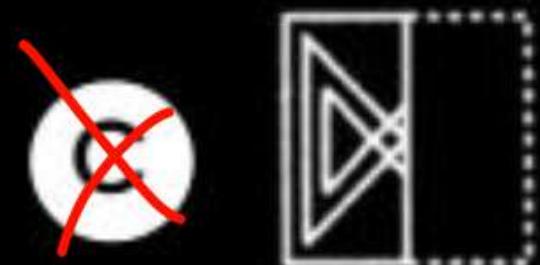
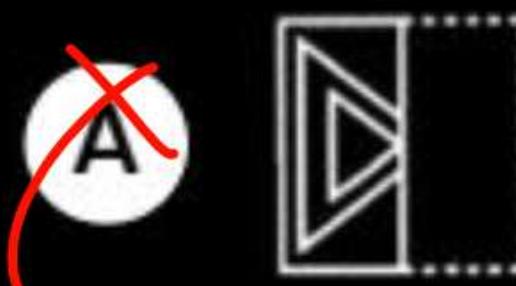


SQUARE SHEET (X)



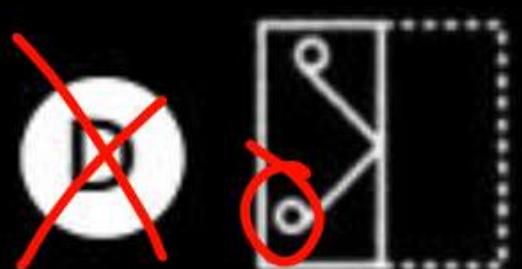
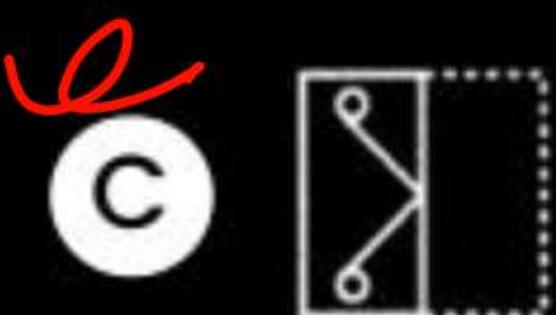
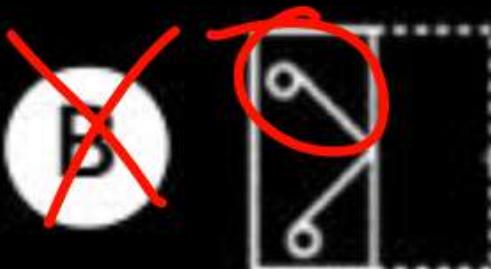
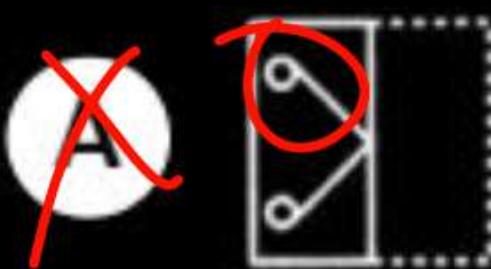
Brainstorming 28

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



Brainstorming 29

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

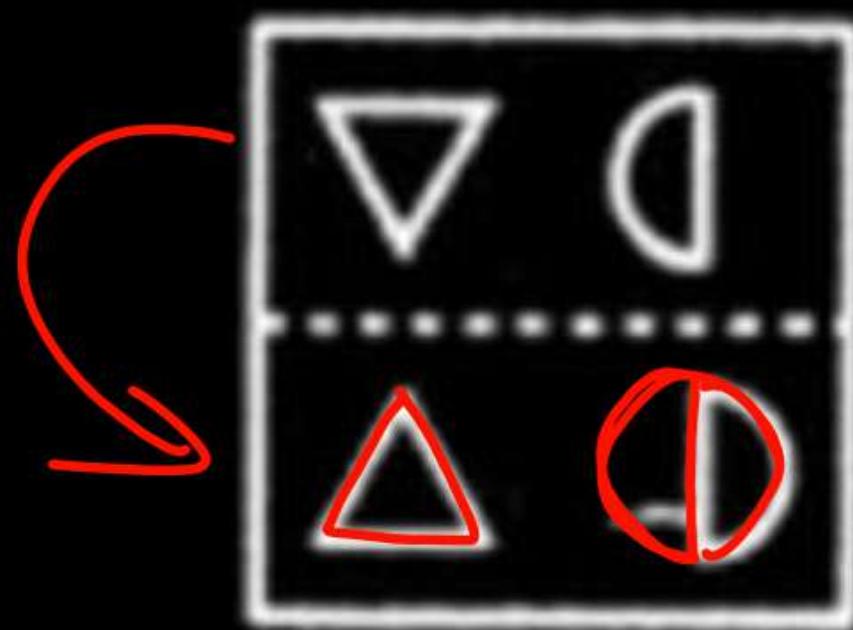
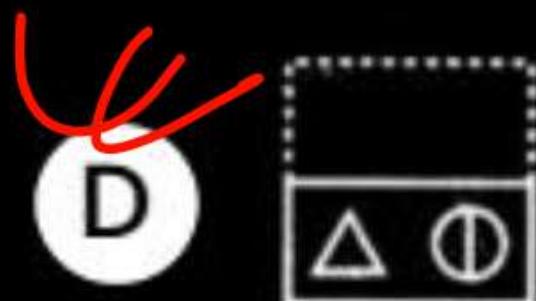
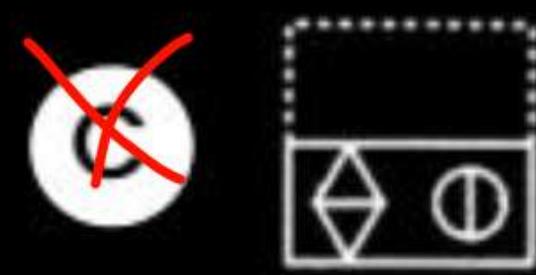
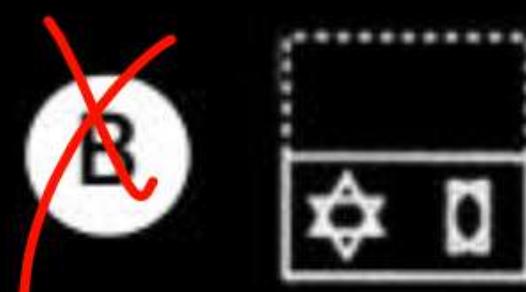
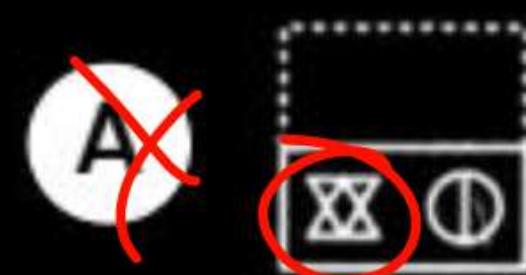


SQUARE SHEET (X)

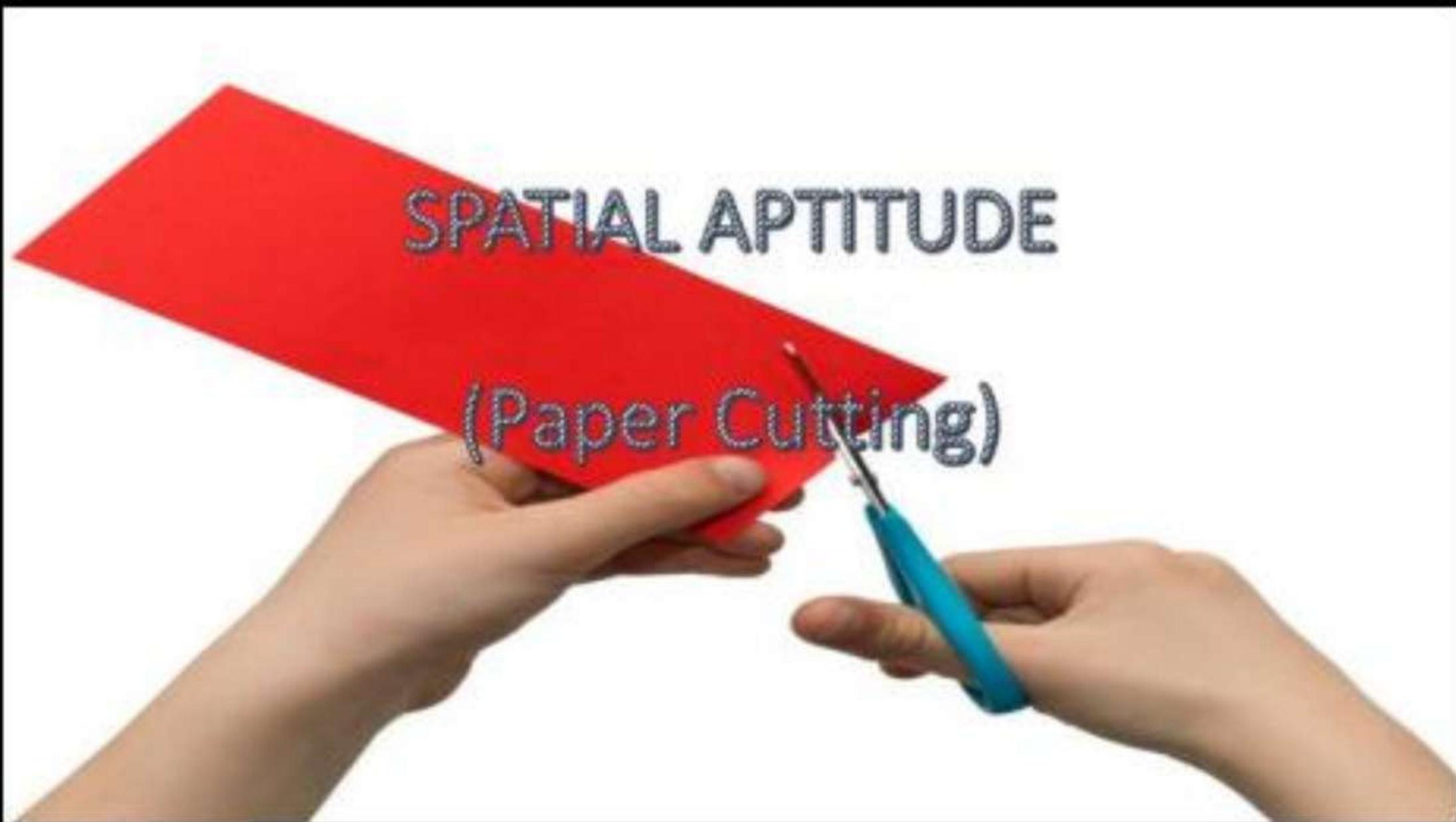


Brainstorming 30

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



"the ability to generate, retain, retrieve, and transform well-structured visual images"



PAPER CUTTING

- {Question 31 to 45 }: 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).

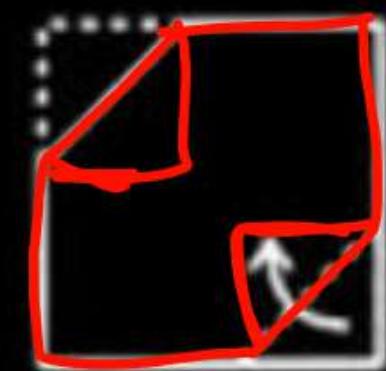


Brainstorming 31

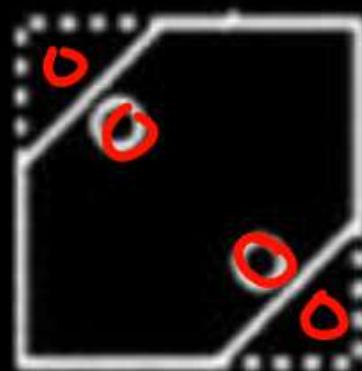
Choose a figure which would most closely resemble the unfolded form of Figure (Z).



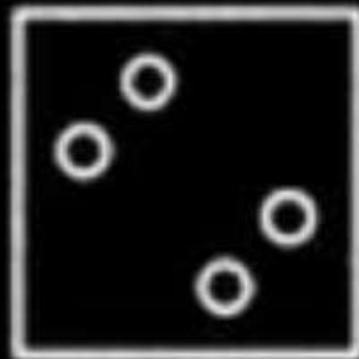
X



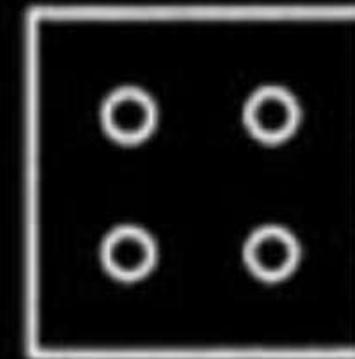
Y



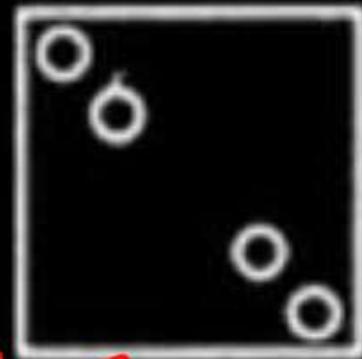
Z



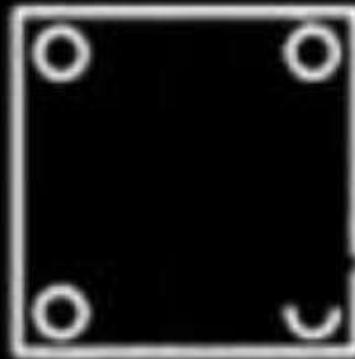
A



B



C



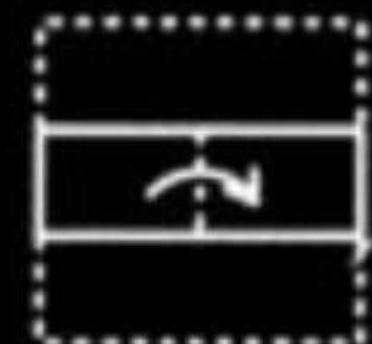
D

Brainstorming 32

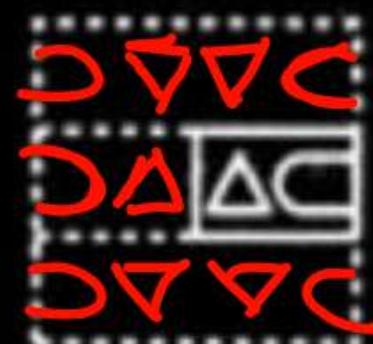
Choose a figure which would most closely resemble the unfolded form of Figure (Z).



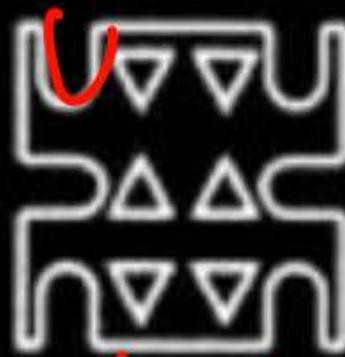
X



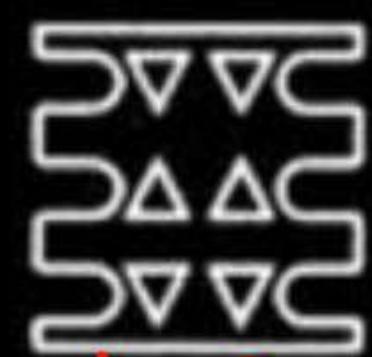
Y



Z



A



B



C



D

Brainstorming 33

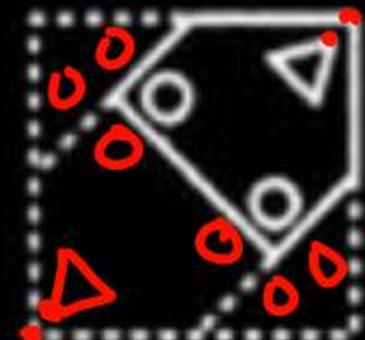
Choose a figure which would most closely resemble the unfolded form of Figure (Z).



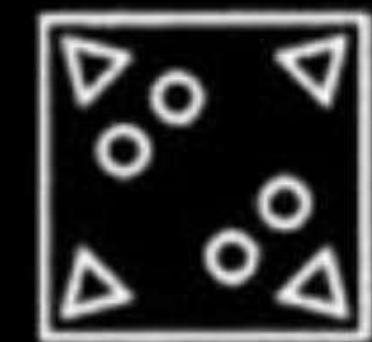
X



Y

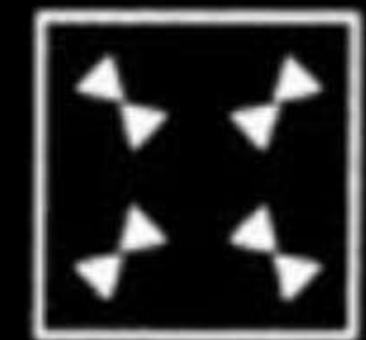
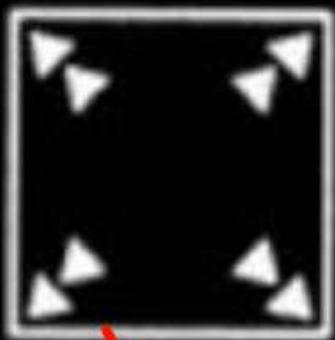
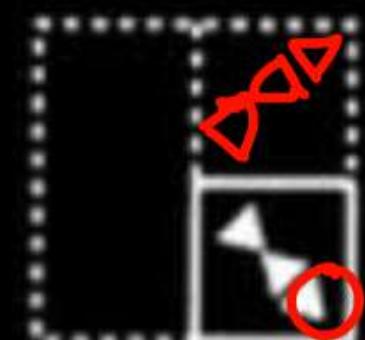
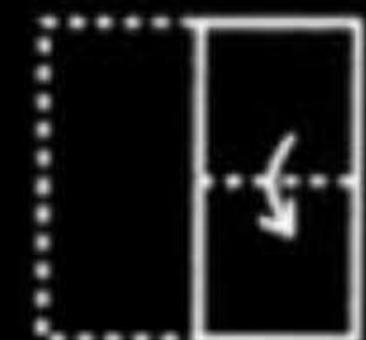


Z

~~A~~~~B~~~~C~~~~D~~

Brainstorming 34

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



Brainstorming 35

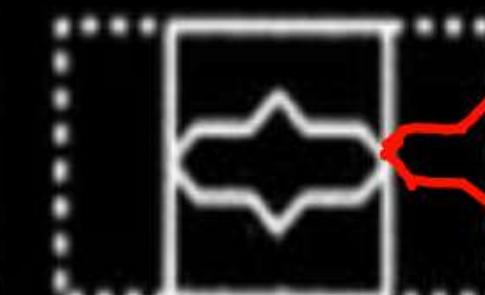
Choose a figure which would most closely resemble the unfolded form of Figure (Z).



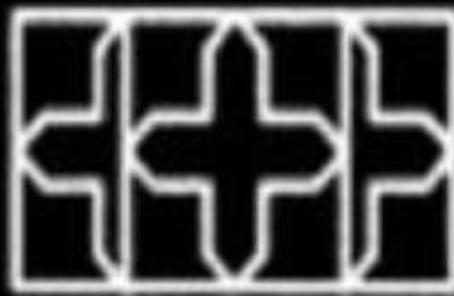
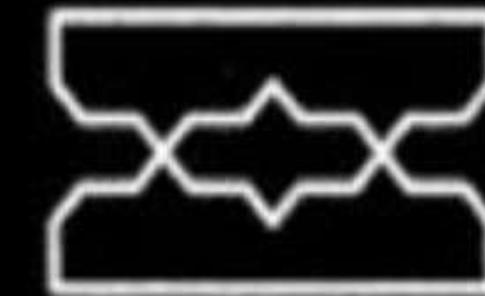
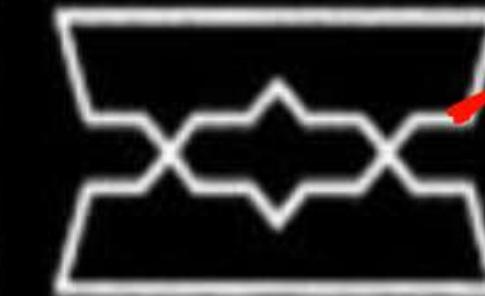
X



Y



Z

~~A~~~~B~~~~C~~~~D~~

Brainstorming 36

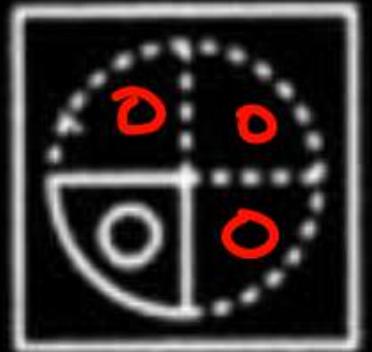
Choose a figure which would most closely resemble the unfolded form of Figure (Z).



X



Y



Z

A XB XC XD e

Brainstorming 37

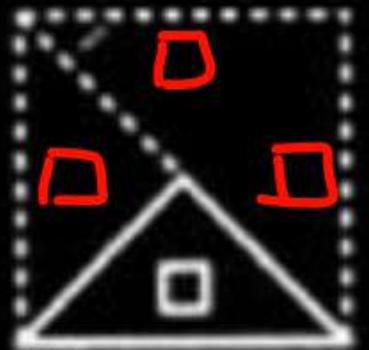
Choose a figure which would most closely resemble the unfolded form of Figure (Z).



X



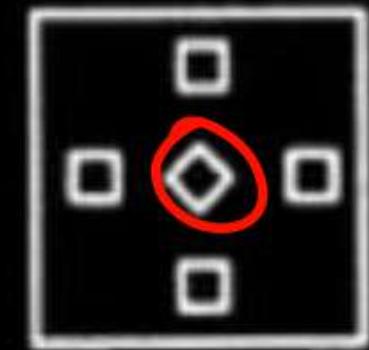
Y



Z



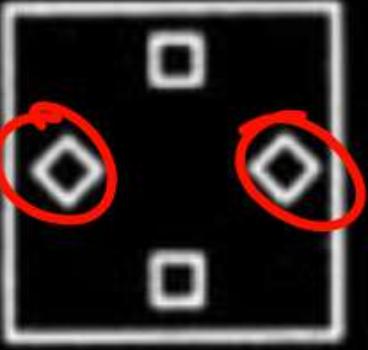
A



B



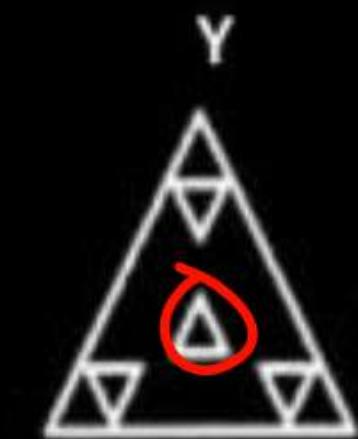
C



D

Brainstorming 38

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



~~A~~

~~B~~

~~C~~

~~D~~

Brainstorming 39

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



X



Y



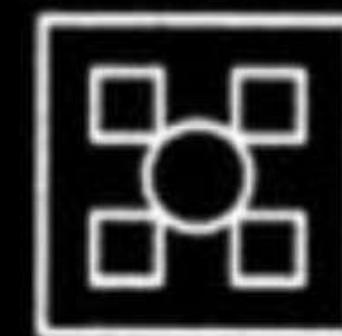
Z



A



B



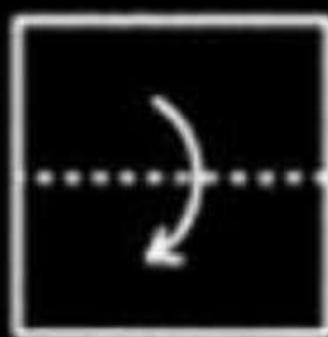
C



D

Brainstorming 40

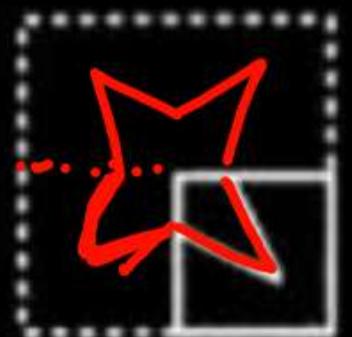
Choose a figure which would most closely resemble the unfolded form of Figure (Z).



X



Y



Z



A



B



C



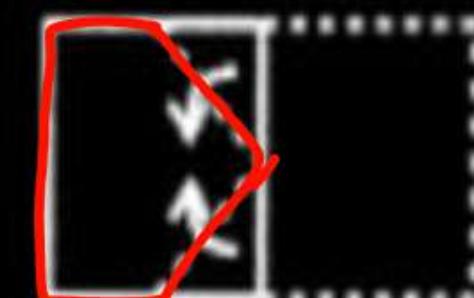
D

Brainstorming 41

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



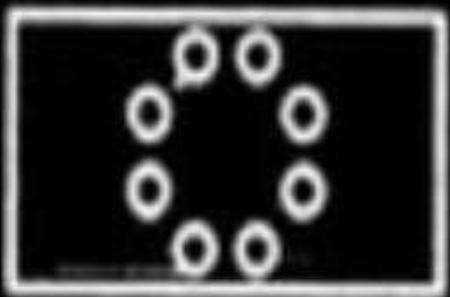
X



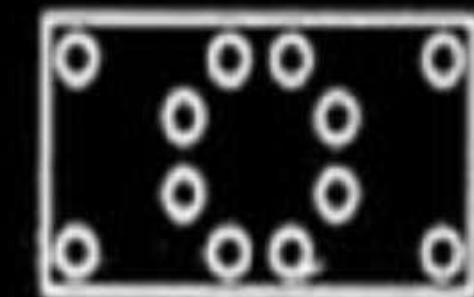
Y



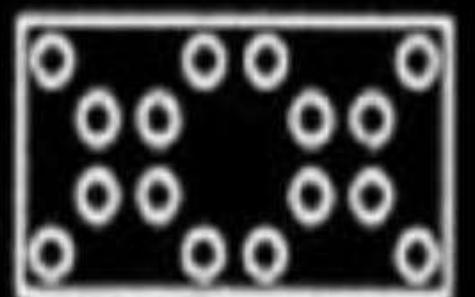
Z



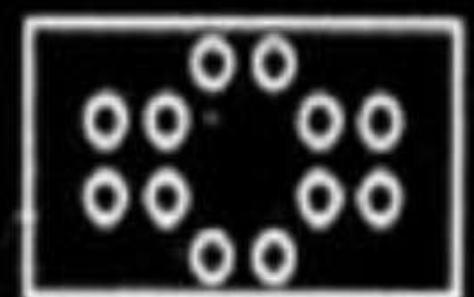
A



B



C



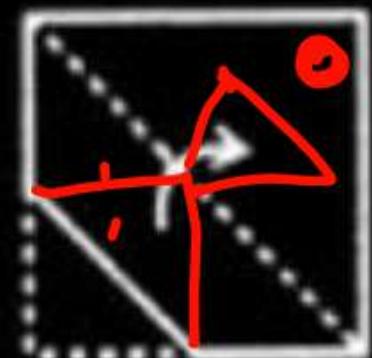
D

Brainstorming 42

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



X



Y



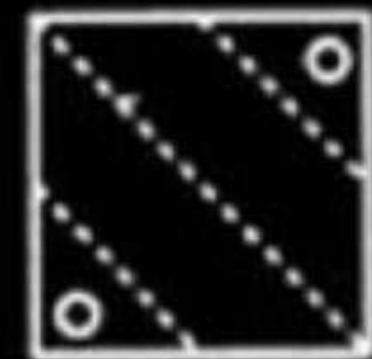
Z



A



B



C



D

Brainstorming 43

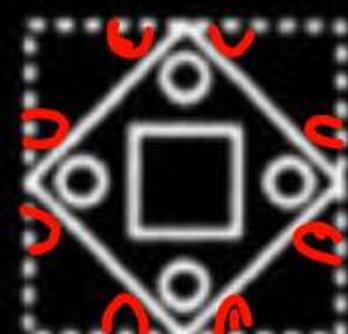
Choose a figure which would most closely resemble the unfolded form of Figure (Z).



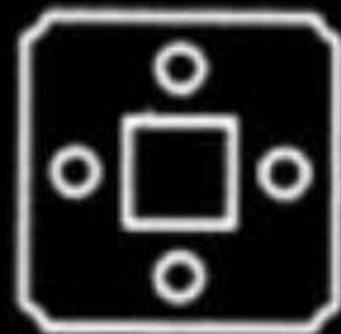
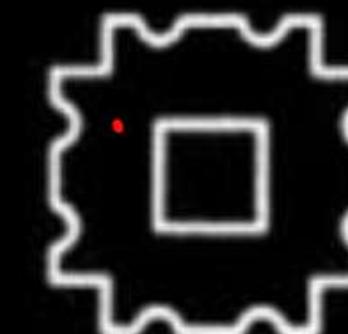
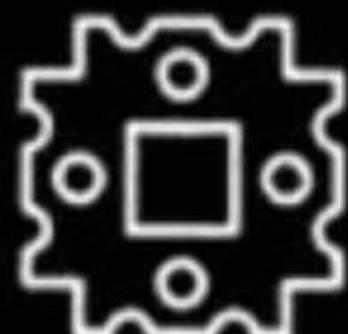
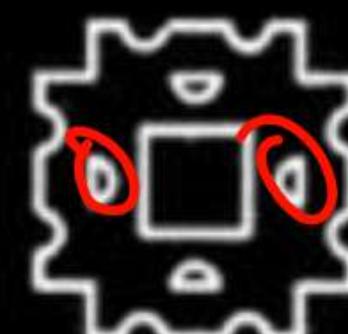
X



Y



Z

~~A~~~~B~~C ~~C~~~~D~~

Brainstorming 44

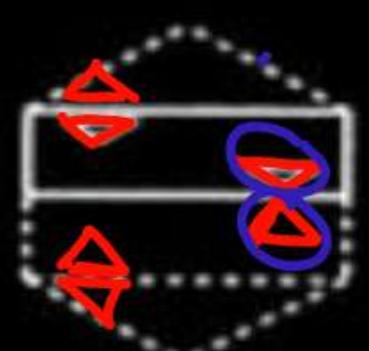
Choose a figure which would most closely resemble the unfolded form of Figure (Z).



X



Y



Z



A



B



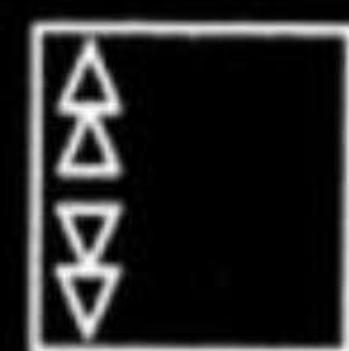
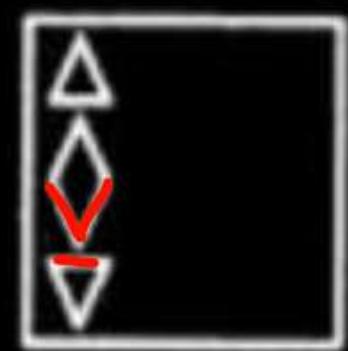
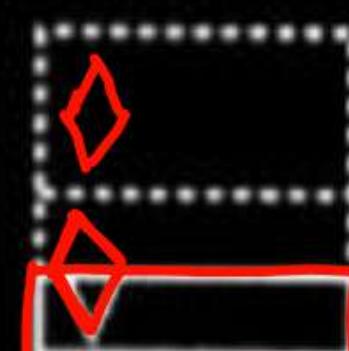
C



D

Brainstorming 45

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



A

B

C

D

thank you