

SPATIAL APPTITUDE

- ✓ 1) SERIES
- ✓ 2) Pattern Completion
- ✓ 3) Spotting Out Embedded Figure
- ✓ 4) Classification
- ✓ 5) Mirrors & Water Image
- ✓ 6) Analogy
- ✓ 7) Paper folding
- ✓ 8) Paper folding & paper cutting
- ✓ 9) Grouping of figures
- ✓ 10) Figure Matrix
- ✓ 11) Rotation
- ✓ 12) Diagrammatical Logical thinking

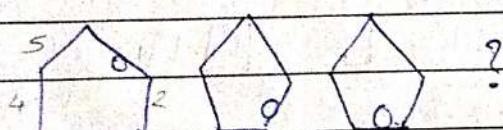
- Spatial Aptitude = Non-Verbal Reasoning

- सारे question Based on Diagram.

- Series के que. में Options को देखकर choices को eliminate करते हैं।
- time का भी ध्यान रखें।

Q Which of the following figure should come after the next figures on the left if the sequence is continued.

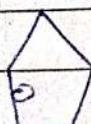
01



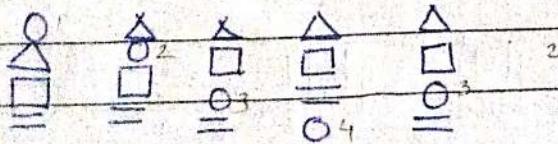
इसका continuation diagram क्या है?

circle 4th diagram में 4th side को आयेगा।

Ans →



02

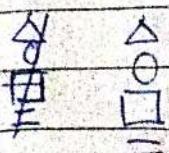


Ans → 1) circle 2nd position में लेना चाहिए।

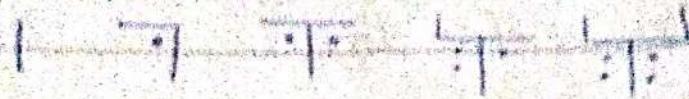
2) निम्न diagram में square के बिंदु = लेना।

चाहिए।

Ans ⇒



03



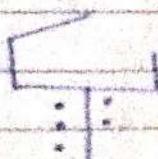
left side

line add 636

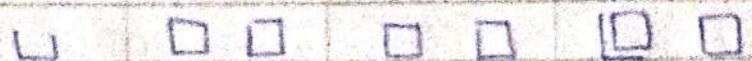
और 1 ओरे की

add 536

Ans \rightarrow left side 1 line और 1 circle
add ६३६ यादें



04.



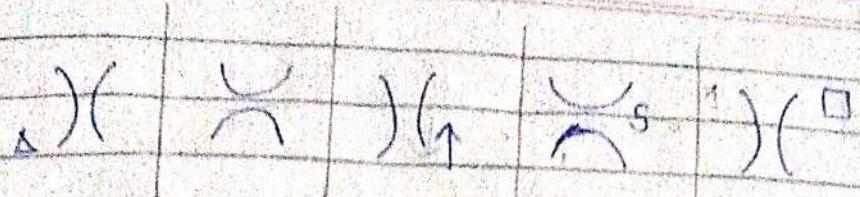
logic \rightarrow 5 lines add होते पर रहे हैं,
next next diagram में

Ans \rightarrow



Because, lines जो add होते हैं,
तो U के shape होते हैं।

05



Logic \rightarrow semi-circle जो \Rightarrow की clockwise direction में rotate हो जाए।

- figure changed.

semi

Ans \rightarrow circle अपनी Right को point out कर
 \Rightarrow E, \Rightarrow , \Rightarrow ,

south को point out करेगा,

और new fig योड़ा left को move करेगा।



06.

$+$	$+$	$-$	Δ	$-$
$-$	0	$-$	0	0
Δ	\square	\bullet	Δ	\square

- यहाँ के 8 positions हैं।

1st & 2nd diagram में क्या difference है।

सारे diagrams same positions के हैं,

लेकिन + का positions 2 place से move

हो रहा है।

Ans \rightarrow सारे figures as it is होंगे।
 लेकिन dark circle 2 places move करेगा।

$\Delta - +$

$\square 0$

.

07



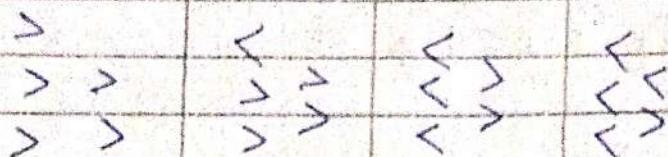
logic →

1. 2 fig line position same,
arrow के position दोनों side & circle
के position दोनों arrow

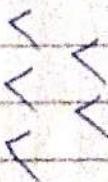
Ans →



08

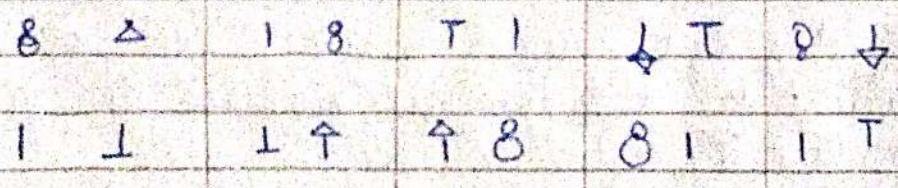


Ans →



1. पहले वर्के arrow marks right
से left को change हो रहा है।

09

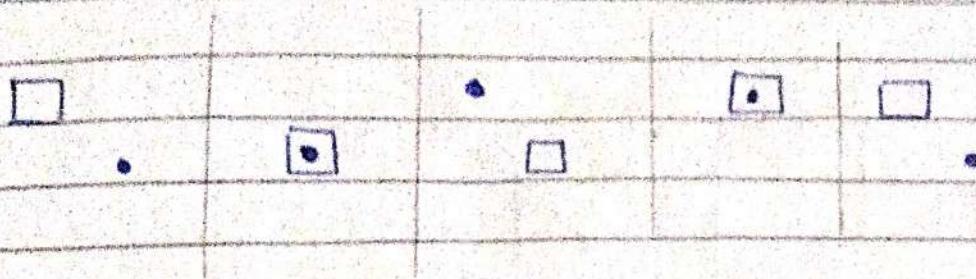


पुरे चार fig , उसे 1 diagram में 1-1
place move हो रहे हैं।

जो भी fig left top में आता है,
वो अपनी position inverse कर देती है।

I Q
T J

10:



Square anticlockwise direction \nearrow move East \swarrow ,
circle clockwise direction \nwarrow

Ans \rightarrow



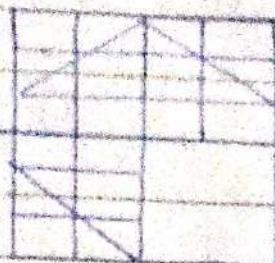
27 July 2021

Algebra

2 Pattern Completion

given pattern & Complete it
also called as figure completion

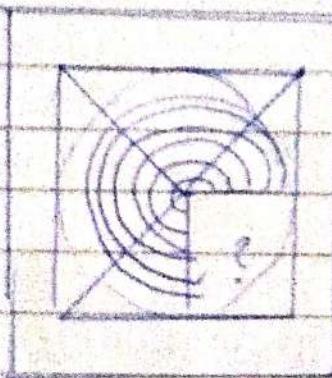
Q1.



Ans →

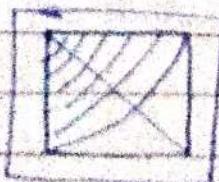


Q2.

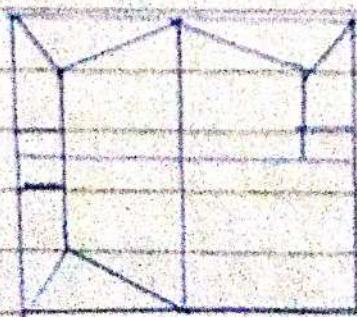


empty space right side
bottom ने होना चाहिए

Ans →



Q3.



Ans →



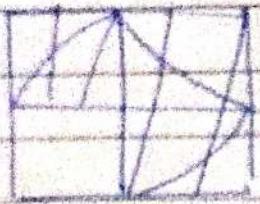
Q6

X	O	X	O	O
O	X	O	X	X
X	O	O		?
O	X			

Ans =

X	O
O	X

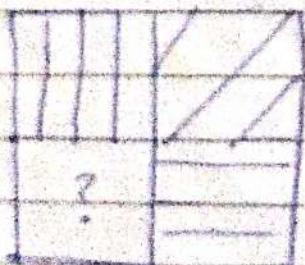
Q5



Ans =



Q6



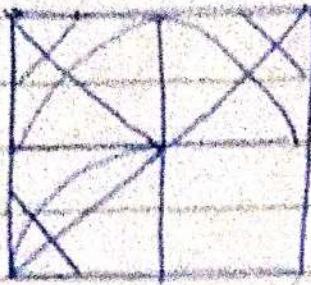
?

lines clockwise direction
it bend ते रे ये।

Ans =



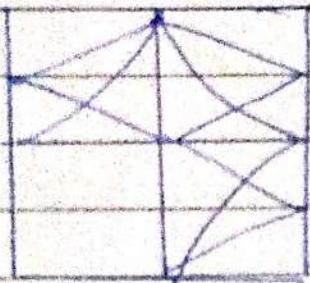
07.



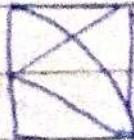
$A_{th} =$



08.

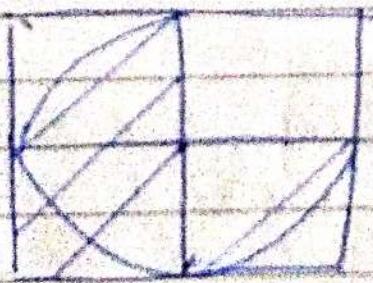


$A_{th} =$

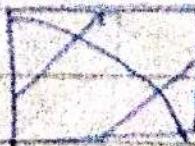


09. almost same

10.



$A_{th} =$



3. Spotting out embedded figures

Q. Find out the alternate figure which contains figure (X) as its part.

Q1.

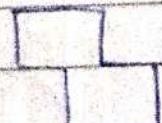


ये प्र० क्षेत्र फिर नहीं विकल्प में होता है।
वे डायग्राम, वे डायग्राम, वे डायग्राम, वे डायग्राम,
पिछमे प्र० क्षेत्र होता है। वे डायग्राम
होता है।

Ans =

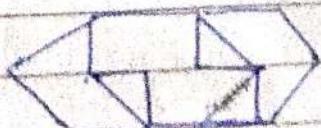


Q2.



top का square = left side
bottom का square = right side

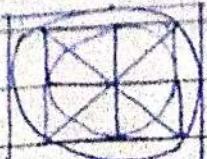
Ans =



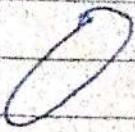
Q3.



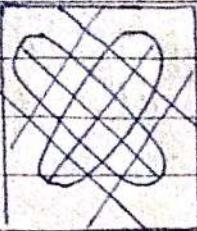
Ans =



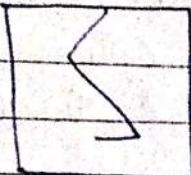
04.



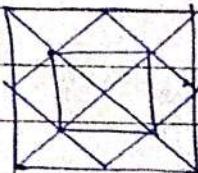
$A_{H_3} =$



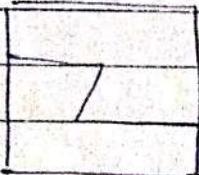
05



$A_{H_3} =$



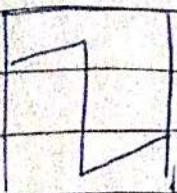
06.



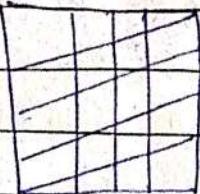
$A_{H_4} =$



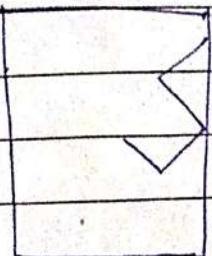
07



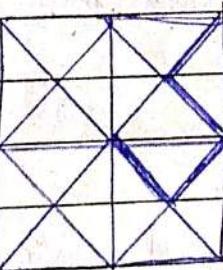
Ans -



08.



Ans =



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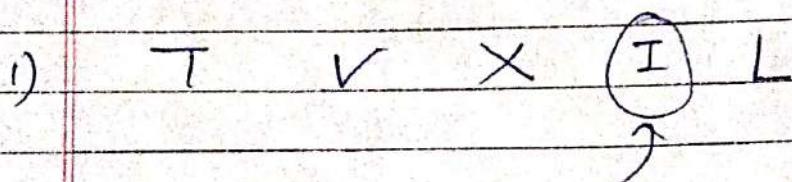


4. Classification

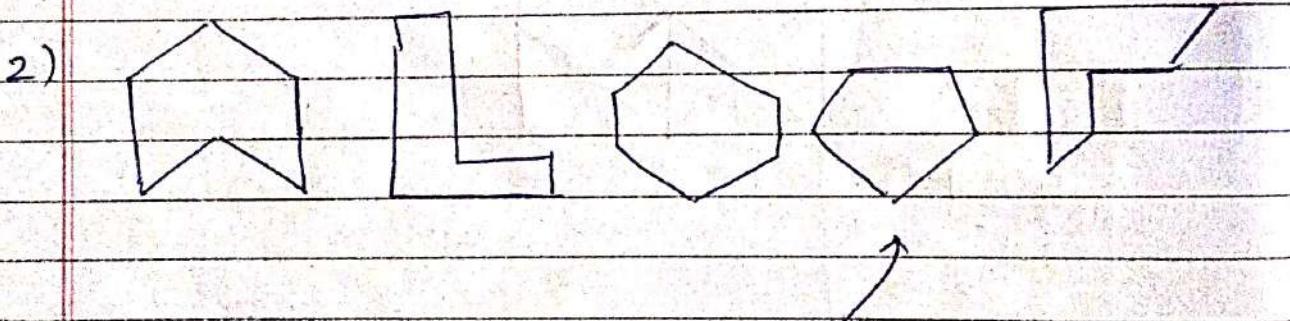
(Odd one Out)

जो सबसे different होता है, उसे odd
बोलते हैं।

Q Each of the following questions consists
of five shapes in a row. They all
have something in common, except
one. You must find odd one
out.



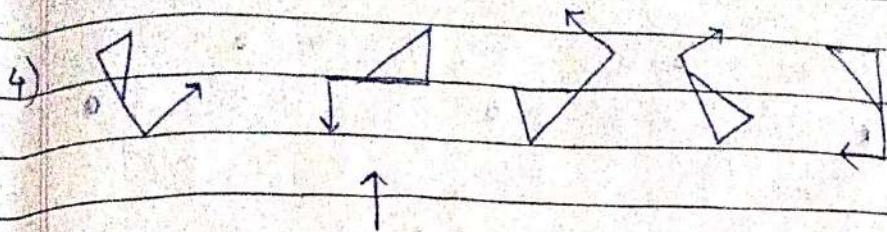
इसे छोड़कर सबको लिखने के लिए
आपको 2 line चाहिए।



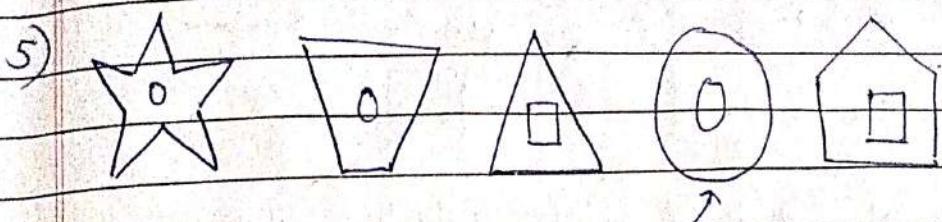
needs only 5 lines,
rest all requires 6.

3) A F Z E N

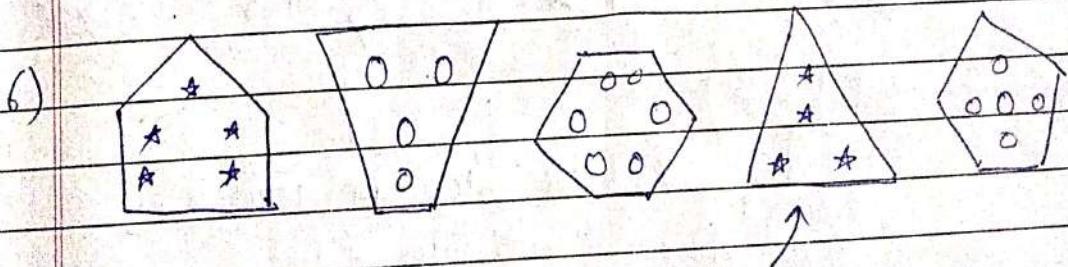
इसे लिखने को 4 lines चाहिए,
बाकी सबको तीसरी 3.



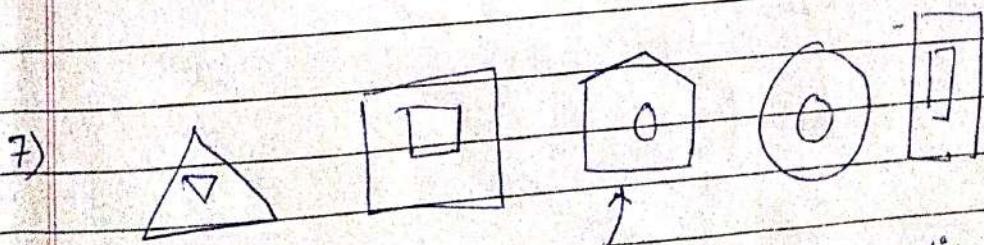
इस figure को ट्राइआर्ड, वाकी सारी figures
में triangles और arrow marks जिसी 1 side
को है।



इसे ट्राइआर्ड सारे options हैं outer figure और
inner fig. different है।



इसे ट्राइआर्ड वाकी सारी fig के no. of sides
and elements same है।



इसे ट्राइआर्ड वाकी सारी fig है, outer fig.
और inner fig same है।

08) 



इसे लोडकर बाकी सारी figures में
X and O diagonally opposite हैं।

09)

~~→→→→~~ ~~←←←←~~ ~~→→→→~~ ~~←←←←~~

↑

इस fig में 2 white circle's आएं वाले
में से 1

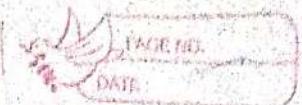
10)

* □ △ 0 ◇ * □ * □
◇ △ 0 □ * ◇ △ 0 0 ◇ *



इस star को series 5
figures हैं।

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PAGE NO.
DATE:

5. Mirror & Water

Images

- In mirror images, left and right interchange
& exchange their places.

जब Reality \Rightarrow left side बामी है, तो
Real Mirror image \Rightarrow Right side दाहिना
 $\frac{1}{2}$

- Top and bottom remains same.

जो top को देता है, वह top को ही दिखाता है।

- A A
 - real image
 - mirror image

- B B

- C C

straight line अर्थ ही रेती।

- D D

- E E

- F F

- G G

- H H

- I I

- K K

- L L

- M M

- N N

- O O

- P Q

- Q Q

- R S

- S T

- T T

- U U

- V V

- W W

- X X

- Y Y

- Z

वेसे ही रहेंगे

- numbers

- 1 1

- 2 S

- 3 E

- 4 F

- 5 H C

- 6 A

- 7 F

- 8 8 same to same नियम

- 9 P

- 0 O

* Questions

* Water Images

① top & bottom will get interchanged.

② Right & left change होती है।
↑ i.e., will remain same.

- A V

- B B

C C

- real images
- water images

D D

E E

F F

G G

H H

I I

J J

K K

L L

M W

N □ N water image से और
mirror image से 1 घी
रहेगा।

O O

P b

Q Q

R R B

S S

S water image में और
mirror image में same होती है।

T T

U U

V V

W W

X X

Y Y

Z Z

mirror image & water
image same.

∴ Note : N, S and Z mirror image \rightarrow जिसके
water image \rightarrow same होती है।

X X

1 J

2 S

3 3

4 +

5 5

6 8 P

J V

8 8

9 . d

O O

Questions

Q From the following choose the correct alternative that correctly represents the water image of the word.

Q1. N A T Q J Z

Ans = N + f o ? 3

Q2 FAMILY

Ans = E A W I F A

Q3 U 4 P 1 S B 7

Ans = n + b 1 2 B J

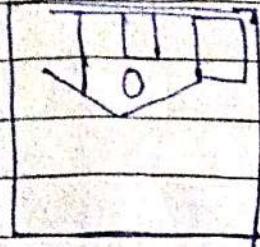
Q4 DISC

Ans = D I 2 C

05



Ans



06. TARAINI014A

// mirror image

Ans TARAINI014A

07

ANS43Q12

// mirror image

Ans

C19E42 * 1A

08.

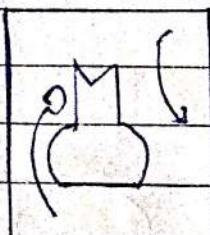
MAGAZINE

// mirror image

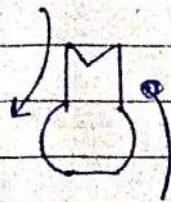
Ans

MAGAZINE

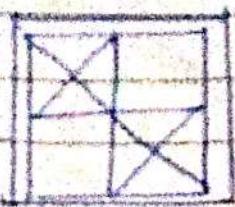
09.



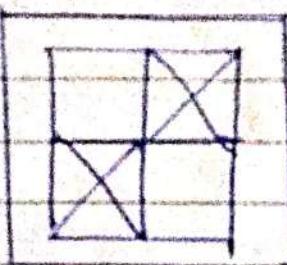
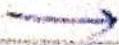
// mirror image



10.



11. minor image



5 Aug 2022

Analogy

Q : 6 :: C :

1st term $\triangleleft \text{ E}$,

2nd term $\triangleleft \text{ E}$,

3rd term $\triangleleft \text{ E}$,

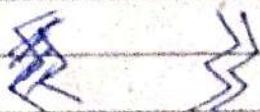
Given, find out 4th term:

Note → 1 8 2 \triangleleft \triangleleft Relation $\triangleleft \text{ E}$,
at 3 3 \triangleleft 4 \triangleleft $\triangleleft \text{ E}$.

Q. From the given options identify which should complete the following sequence.

Q1. $\rightarrow : \triangleleft \triangleleft : \triangleleft : ?$

Ans →

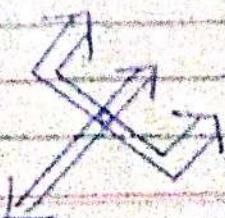


(arrows double $\triangleleft \text{ E}$,
site direction \triangleleft change
 $\triangleleft \text{ E}$)

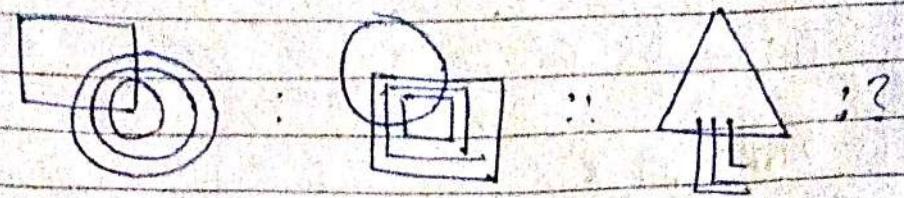
Q2.



Ans logic :- arrow double \triangleleft slightly right side
in mid $\triangleleft \text{ E}$



03.

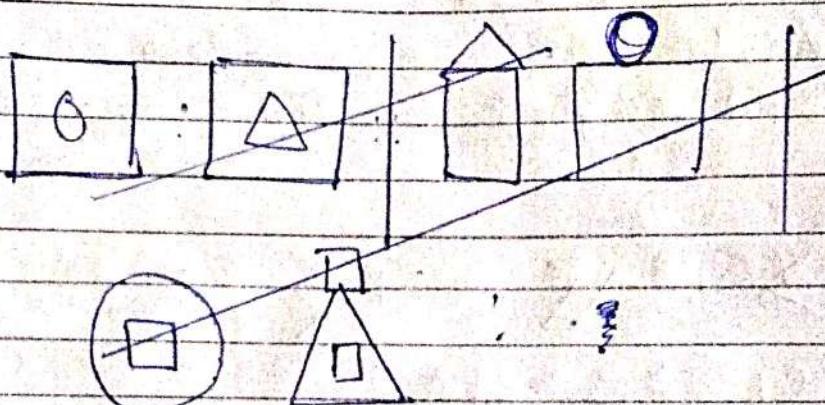


Ans

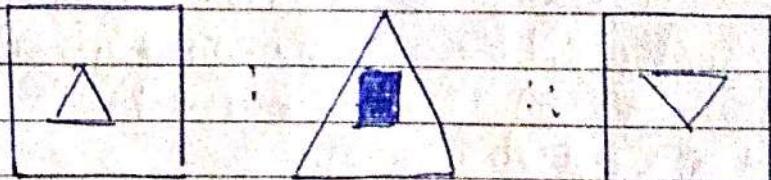


logic → square \rightarrow place \rightarrow circle,
 circle \rightarrow place \rightarrow square, no. of lines
 tri ex. interchanged

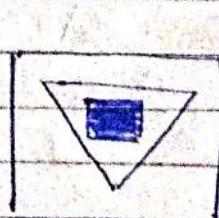
04.



05

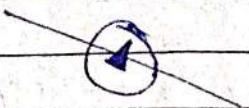


Ans =



Q6. : ?

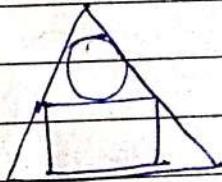
Ans



Q7. $\Delta \square \circ$: \circlearrowleft :: $\square \circ \Delta$?
 (1) (2) (3)

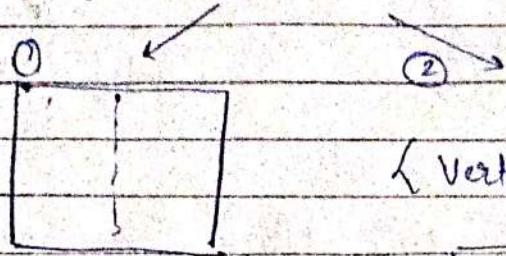
1 8 2 inside 3 }
 1 3 4 2 9 8 7 11 } logic

Ans :



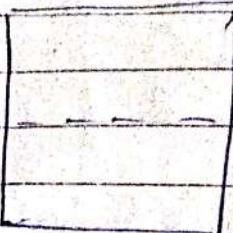
Paper Folding

* 2 types of folding →



{ Vertical folding }

6. right से लेकर
left के डाल्ये ॥
left से लेकर
right के डाल्ये.



right के left के
उपर fold करो,
तभी left को
right के उपर.

top को bottom
पर fold करो,
जा पाओ
bottom को top
पर fold करो.

{ Horizontal
folding }

6. find out from the following alternative,
as to how pattern would appear
when the transparent sheet is
folded at bottom line.

Q1.

	0 ; 0
	0 ; 0

) right part के left
के उपर डालने के।

Ans =

00	;
00	;

Q.

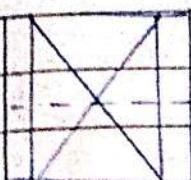
S	:	S
---	---	---

Anu

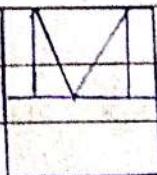
8	:	:
---	---	---

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Q.



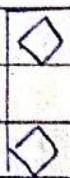
Anu



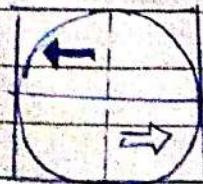
Q

^	v
^	v

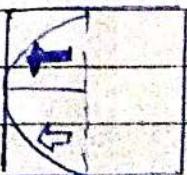
AM



Q

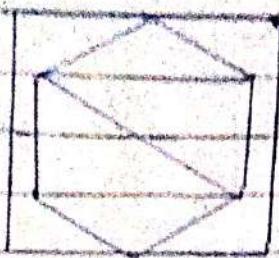


Anu

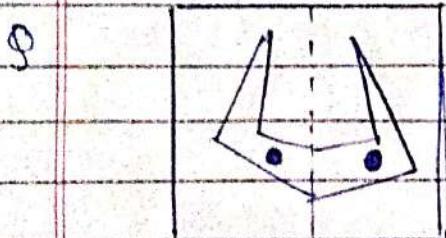
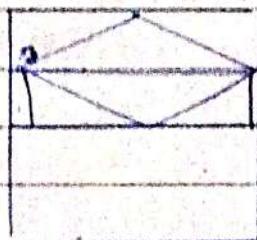


सारे options में Right side
आवी हैं,

इसका मतलब Right
को लेके वाले के ऊपर इन रहे हैं।

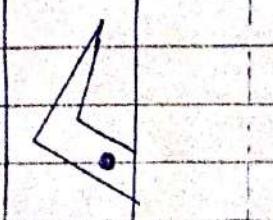


Ans Bottom को लेकर Top के उपर
सिर्फ रहे हैं।



Right on left side

Ans



→ Horizontal folding

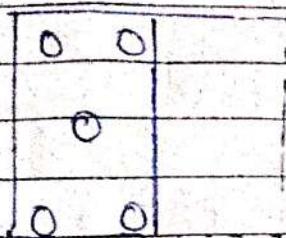
Q	0	0	
			0
	0	0	

Right side empty

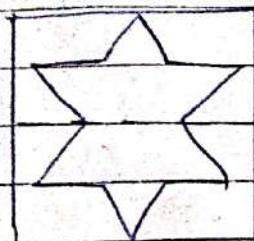
Horizontal

folding.

Ans

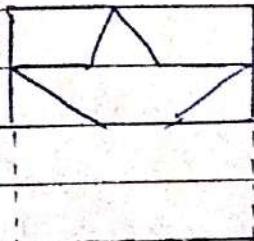


Q

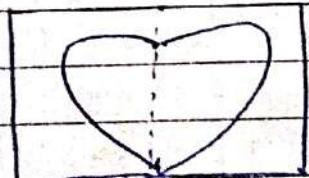


Bottom को लेकर top पे
जल रहे हैं।

Ans

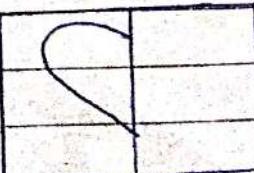
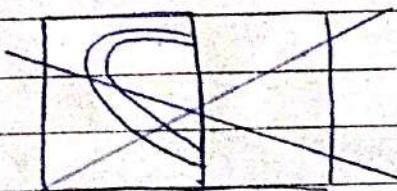


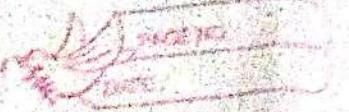
Q



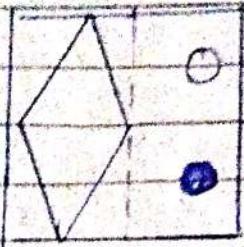
वाळत तर नाही आहे, पण
ने figures similar आहेत.

Ans

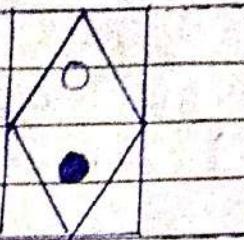




B

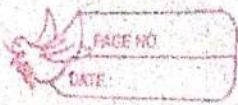


AM



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Paper folding & Cutting



g) Choose the figure which would most closely resemble the unfolded form of figure.

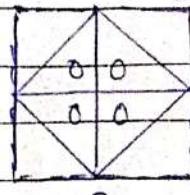
- इसमें paper को fold करते हैं,
परन्तु cut नहीं हैं,
उसके बाद फिर से open करते हैं।

क्या इस प्रकार के बाद paper कैसा दिखेगा?

Q



A



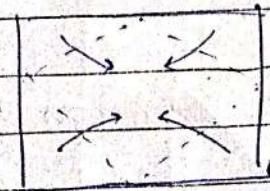
B

square को Rombus में fold करते हैं तो बाद
punch बरते हैं।

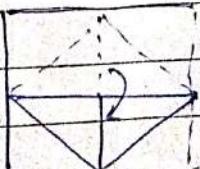
Ans figure को open करते हैं तो बाद, ऐसा होगा।

0	0
0 0	0 0
0	0

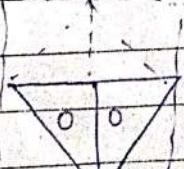
Q



A



B

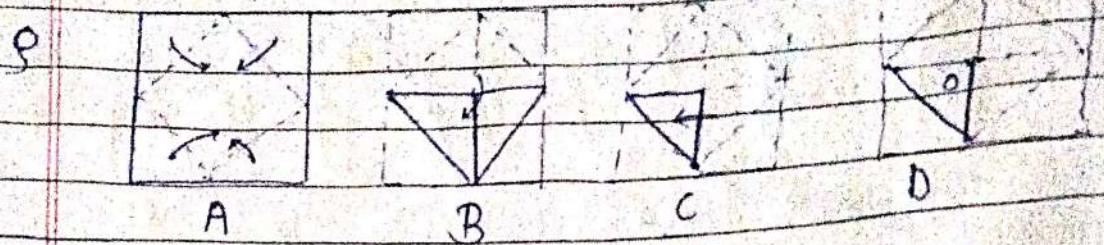


C

Ans

0	0	0
0 0		0 0
0	0	0

9

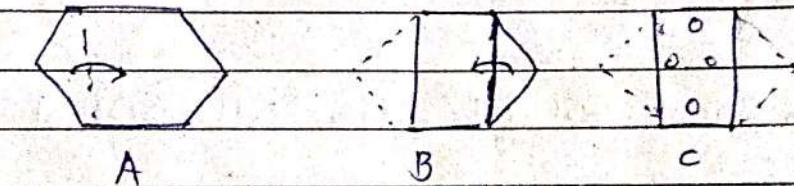


पहले Rombus \rightarrow Half triangle \rightarrow fold
 तो फिर Half triangle \rightarrow
 तो यह हो,
 see the result.

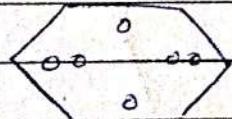
Ans

*Q choose a figure which would most closely resemble the unfolded form of figure (c).

9

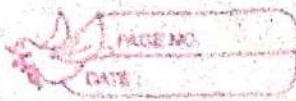


Ans



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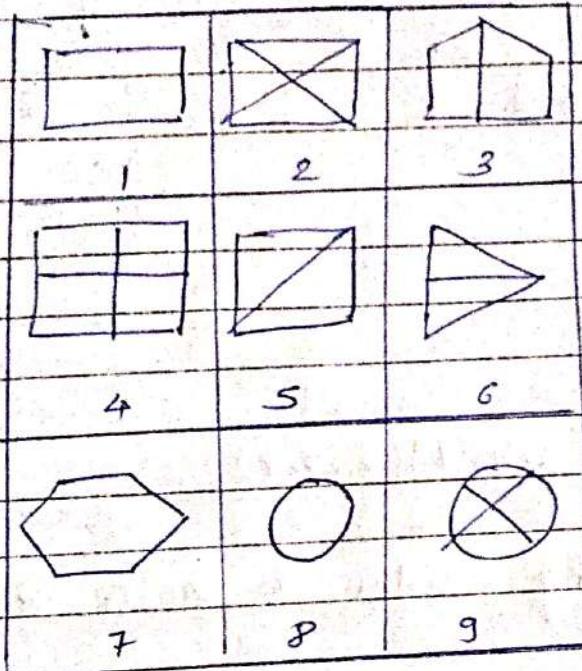
Grouping of Figures



- * Q Group the figure into different classes on basis of their orientation, shape etc.

Note :- figures के द्वियत्रीय तरीके पर logic find करो
उपरोक्त grouping करो.

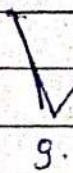
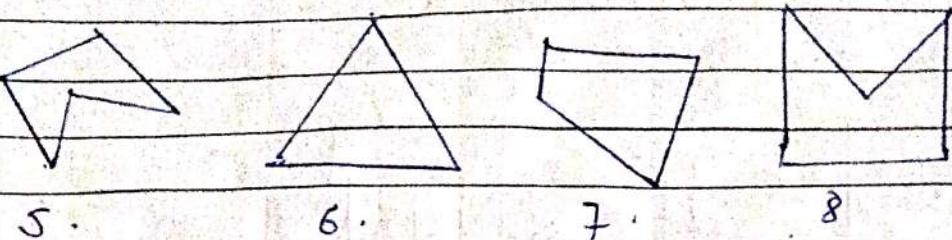
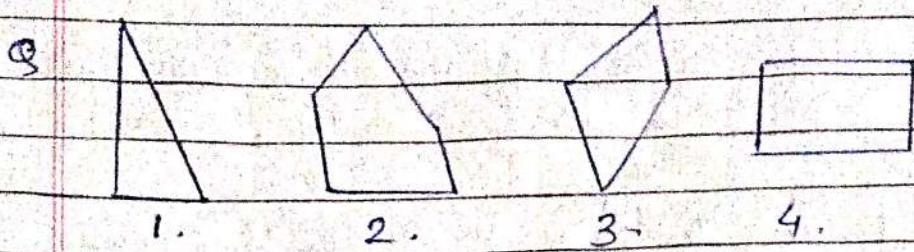
8



$$\text{Ans} = (1, 7, 8), (3, 5, 6), (2, 4, 9)$$

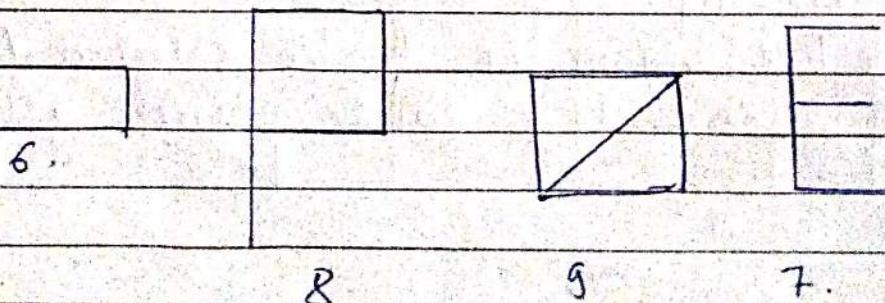
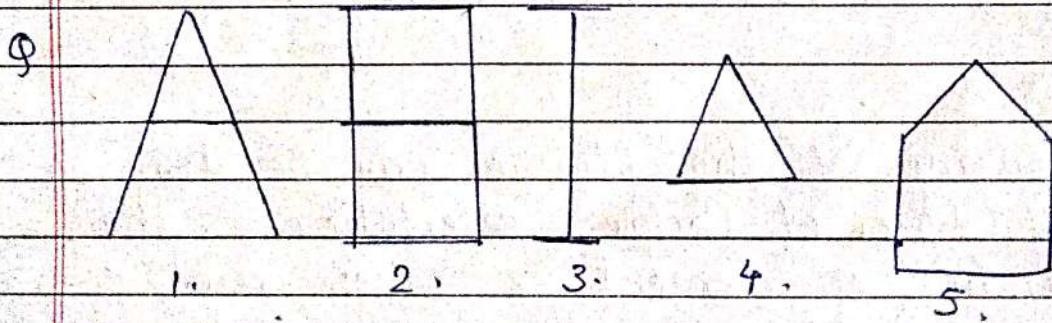
- * Q Grouping of the figure can be done on the basis of shape, orientation, the number of elements & other such categories.

The best answer is to be selected from a given set of fairly closed alternatives.



Ans (d) $(1, 6, 9)(3, 4, 7)(2, 5, 8)$

इसमें Grouping sides के basis पर
किया है।



Ans 1, 3, 4 2, 5, 9 6, 7, 8

Figure Matrix

* Q Select a suitable figure from four alternatives that would complete the figure matrix.

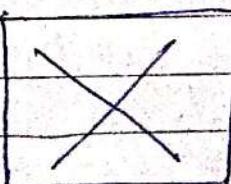
	a	b	c	
g				
			?	

Any यह पर g fig किसा है,
इनमें कुछ जो कुछ logic है,
तो यह gth fig क्या है, यह find करना है।

ज्यादातर logic Rows से मिलेगा, और आवार
row's से logic नहीं मिला, तो column
मार्क check करो।

here, logic is $b = a + c$

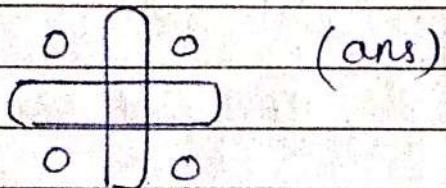
∴ ans is



	a	b	c	
8	+	*	0 0 0 0	.
	◇	X	0 0 0 0	.
	0 0 0 0	X	?	.

ANS Rows को assign करते हो a, b और c.

logic, = b वाली fig. में जो army है,
वह 0 दिया हुआ है।



Rotation

* अगर लग Que. fig को Rotate करते हैं,
तो दारों option figure में से कोपसा
Ans / Option मिलेगा।

* Rotation हो सकता है,

45°

90°

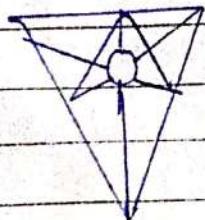
135°

180°

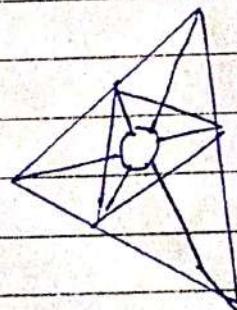
clockwise

Anticlockwise

Q

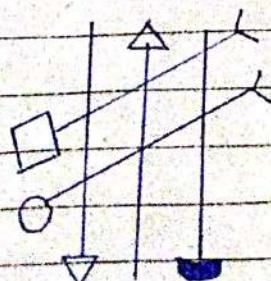


Ans

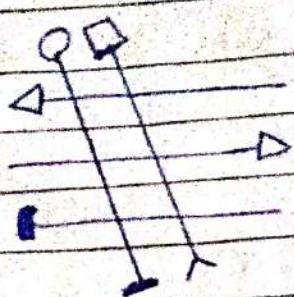


eliminate छरण से any identify करना
easy हो जाता है।

Q

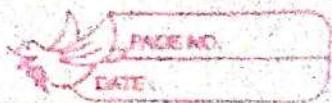


Ans



08 August 2012
Sunday

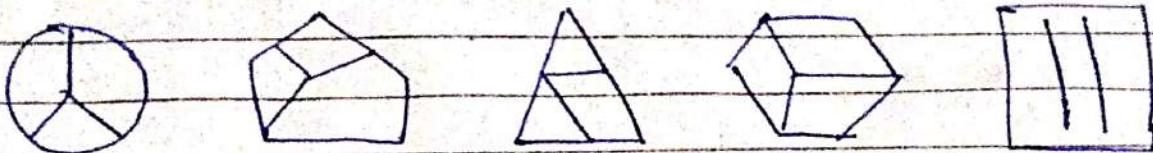
Diagrammatic Logical



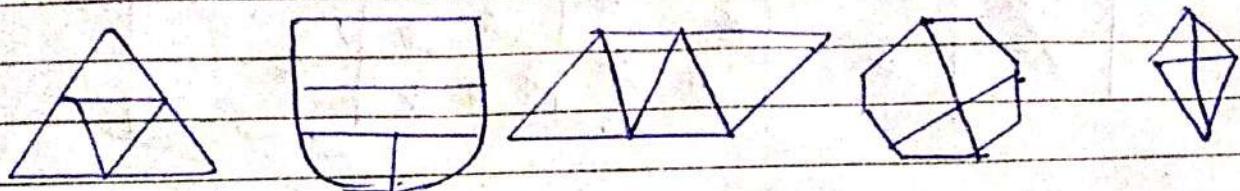
Thinking

Q1 which set does the figure belongs to set A.

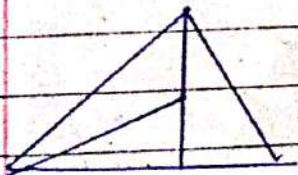
Set A



Set B



Given Figure



Note ये पता करना है, ये जो que. fig है, ये set A में fit है या set B में fit पता करना है।

Ans ∵ ये que. figure set A में fit होता है।

Q2 Which set does a figure belongs too -

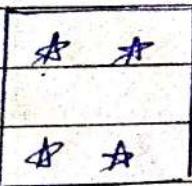
Set A

4	8	6	4	4
*	*	*	*	*
*	*	*	*	*
*	*	*	*	*

Set B

1	3	5	7	3
*	*	*	*	*
*	*	*	*	*
*	*	*	*	*

q. figure



Ans set A \Rightarrow no. of stars = even Σ^1
 set B \Rightarrow no. of stars = odd Σ^1

\therefore Ans, quefig set A \Rightarrow fit होता Σ^1

* — * — *