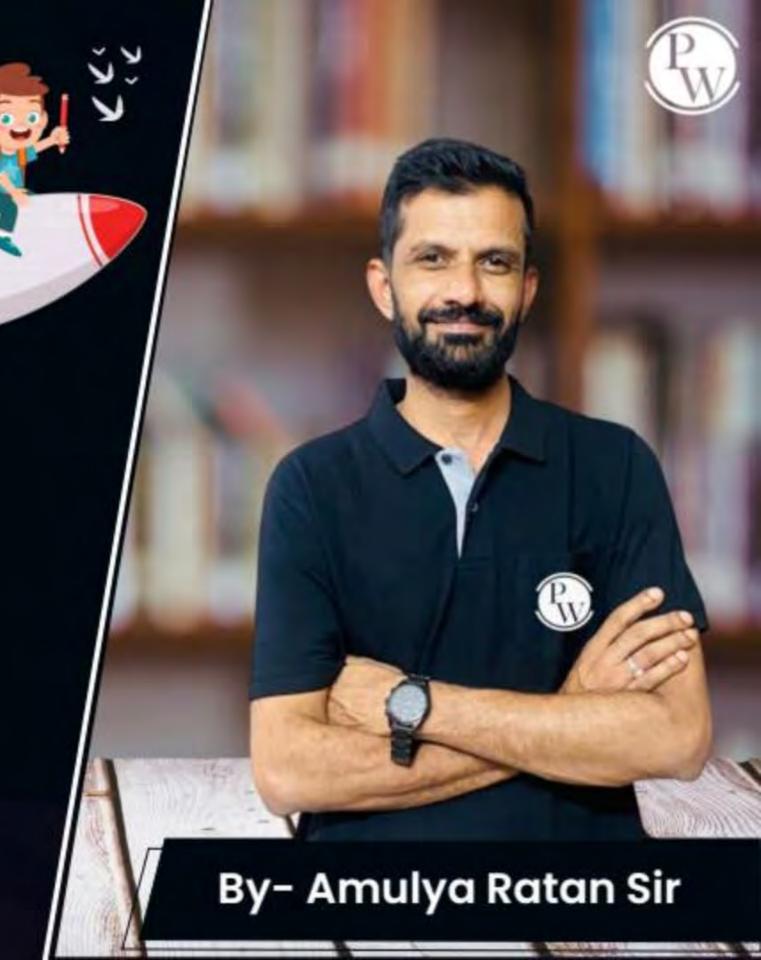
GATE Data Science & Al



General Aptitude

SPATIAL APTITUDE



Lecture No.- 01

Recap of Previous Lecture











Topics to be Covered









#Q. The following table gives the statistics of a class in which each student opted for Maths or Statistics or both. Unfortunately most of the figures have been erased but I remember some information as follows:

→ 13 1/3% of the students took both Math's and Statistics. ?

 2° 40% of the students were females. 3° 4° 4°

None of the females took both Mathematics and Statistics.

| | Maths | Statistics | Both | Total |
|--------|-------|------------|------|-------|
| Male | 50 | 20 | (20) | 90 |
| Female | 10 | 50 | X | 60 |
| Total | (60) | 70 | 20 | 150 |



#Q.

How many males took both Mathematics and Statistics?

a) 40

b) 10

c) 20

d) 60



How many students took only Mathematics?

a) 50

b) 80

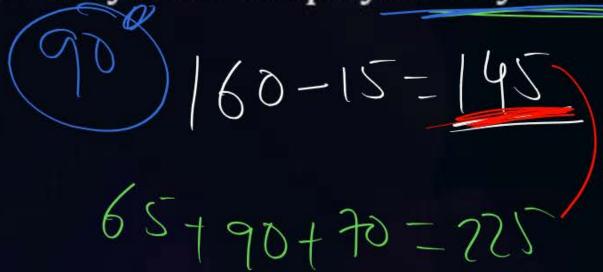
c) 60 🖔

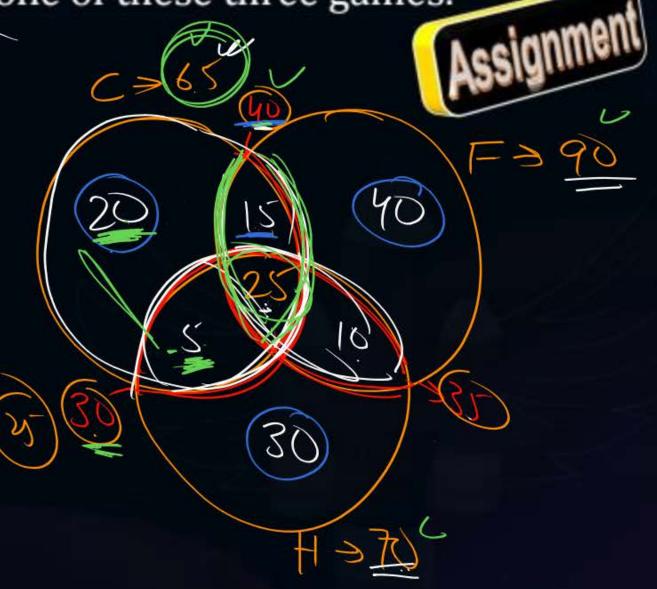
d) 10

- Pw
- #Q. In a class of 160 students, it was found that 65 play Cricket 70 play Hockey and 90 play Football, 30 play Cricket and Hockey, 40 Cricket and Football, 35 play Hockey and Football and 15 play none of these three games.

How many play all three games? 25

17 How many students play exactly one game?







SPATIAL APTITUDE

Mon-Verbal

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

It's what we do when we visualize shapes in our "mind's eye."

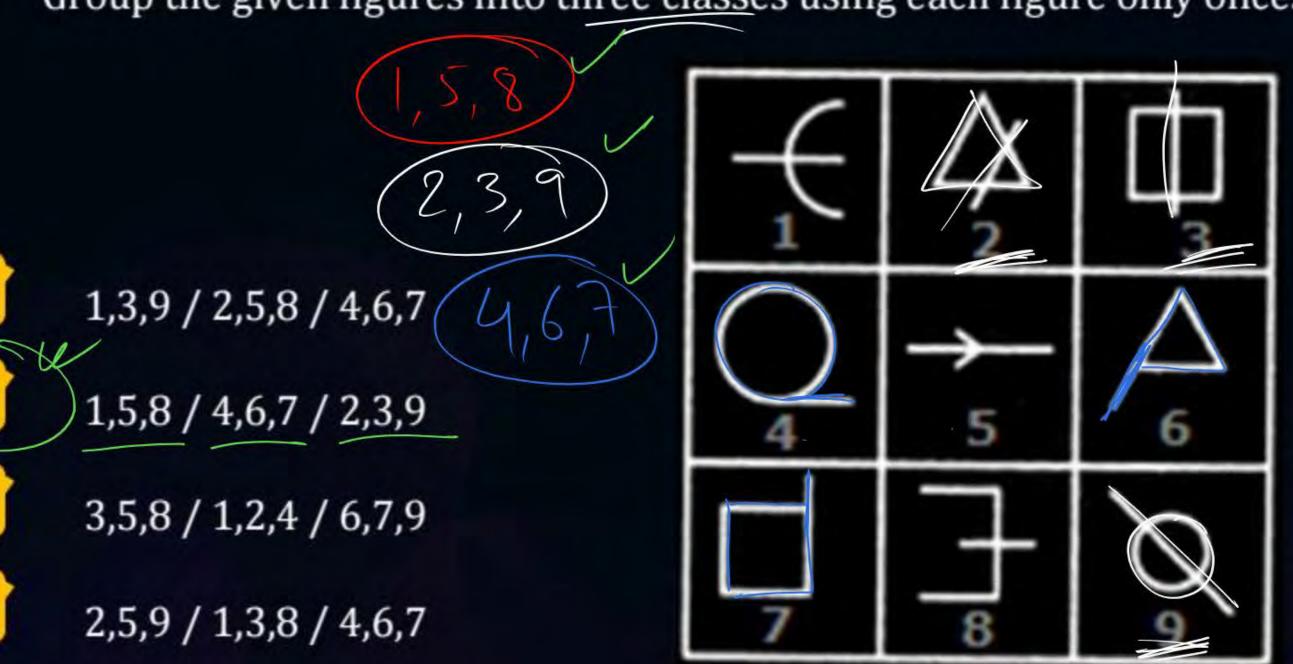
• It's the mental feat that architects and engineers perform when they design buildings. The capacity that permits a chemist to contemplate the three-dimensional structure of a molecule, or a surgeon to navigate the human body.



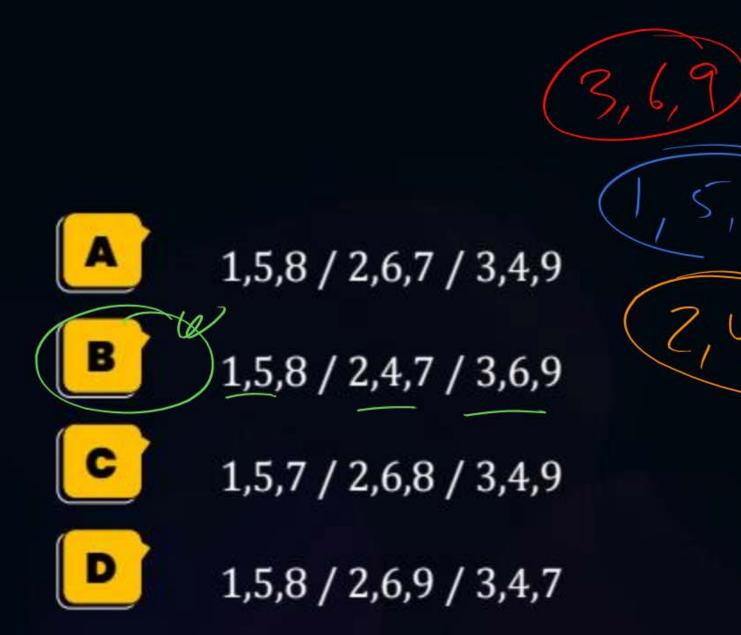
Formation of Images

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





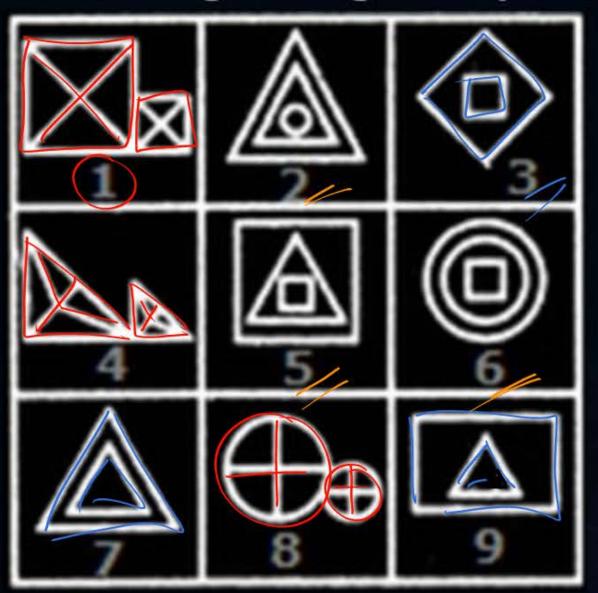




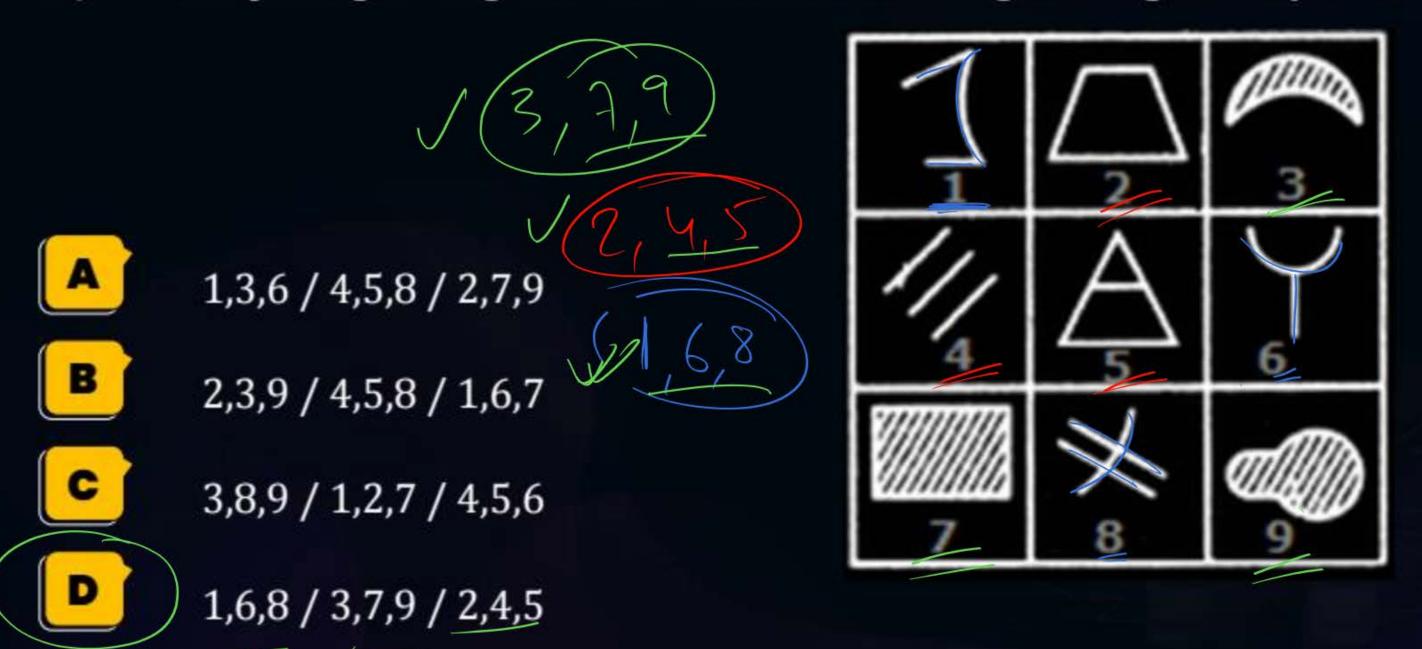






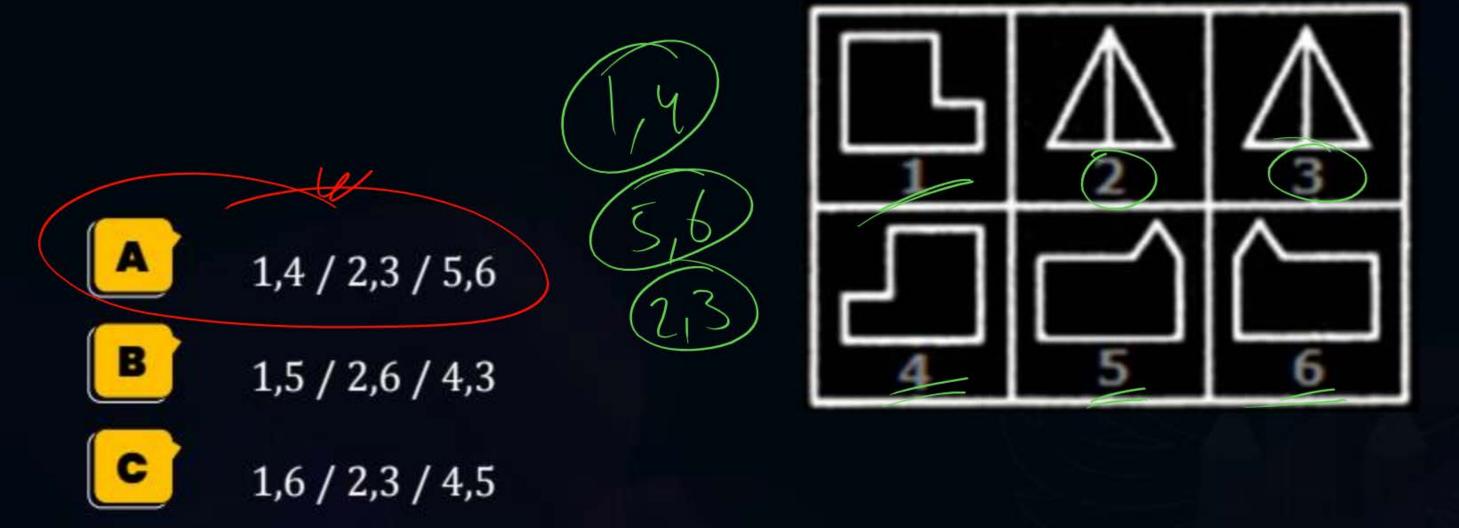






1,2 / 3,6 / 4,5



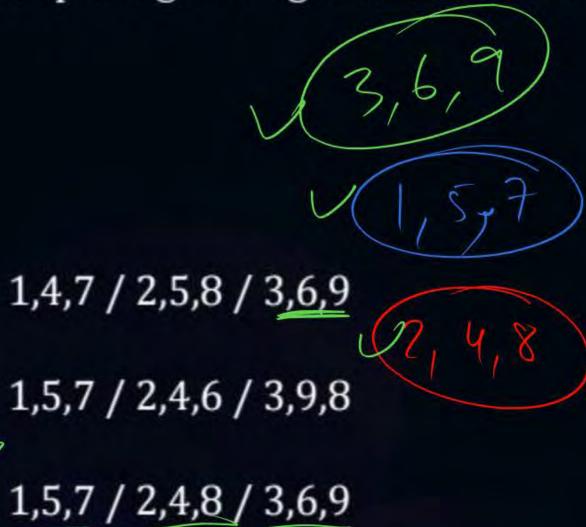








#Q. Group the given figures into three classes using each figure only once.



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



A88ignment



#Q. Group the given figures into three classes using each figure only once.



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



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



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



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



Assignment



#Q. Group the given figures into three classes using each figure only once.



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



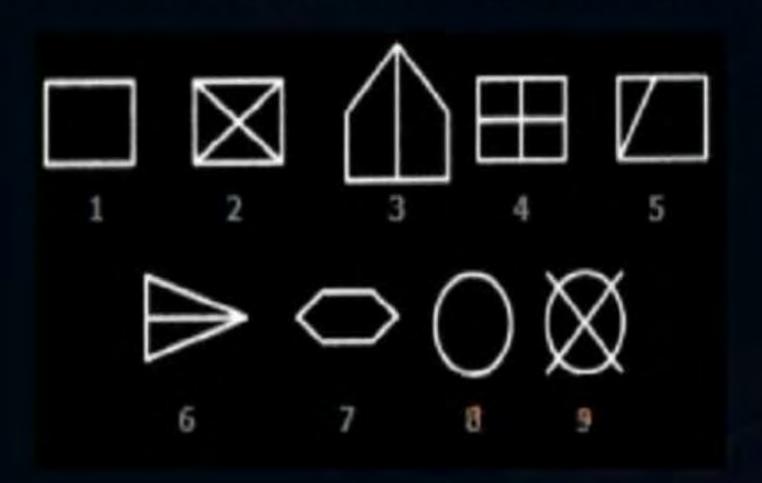
1, 3, 4 | 2, 8, 9 | 5, 6, 7



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



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



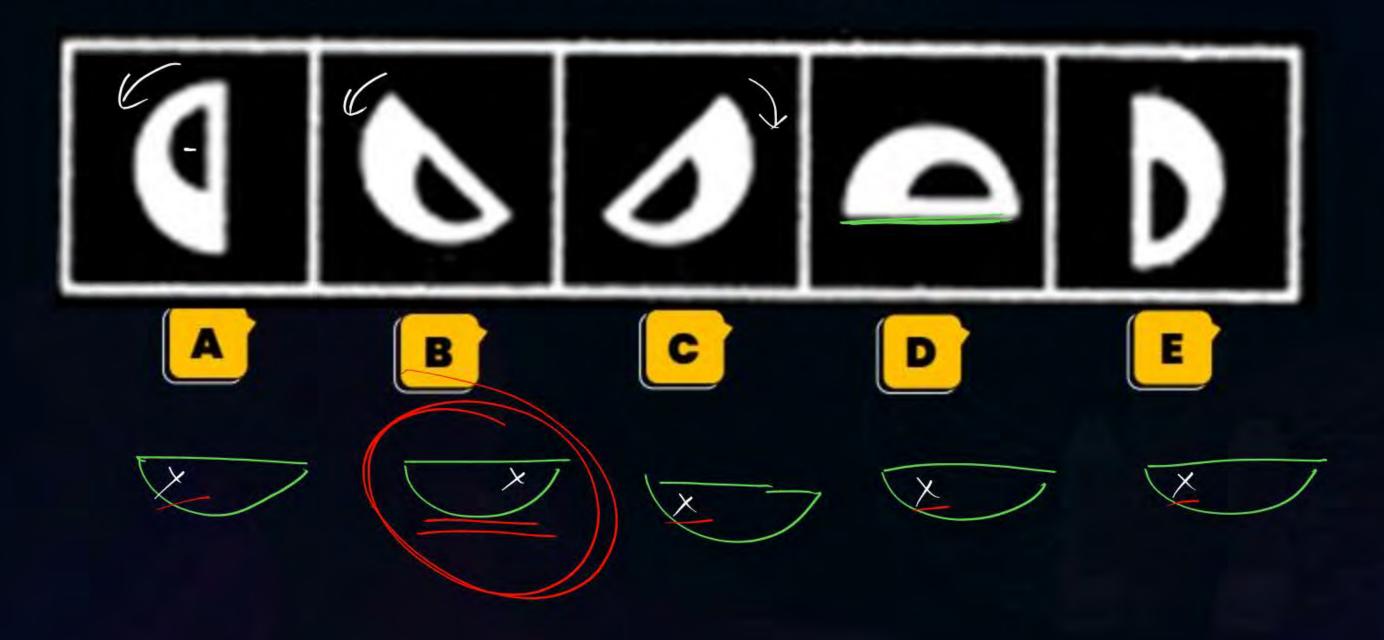


In each problem, out of the five figures marked (1), (2), (3), (4) and (5), four are similar in a certain manner. However, one figure is not like the other four. Choose the figure which is different from the rest.











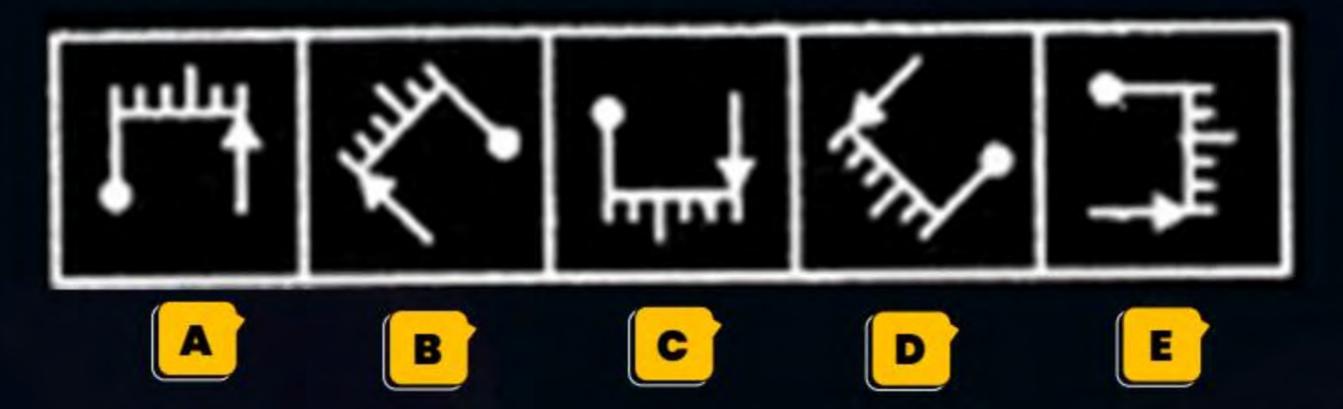






A88 ignment





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J8819 nment





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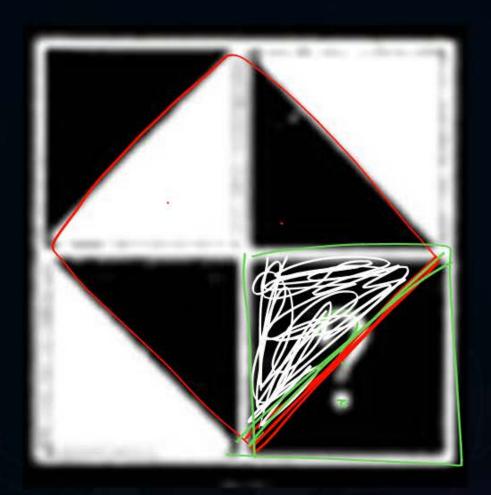




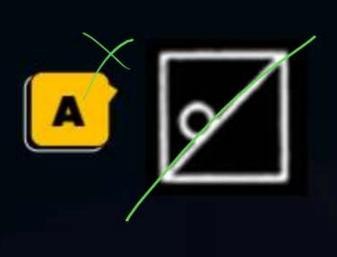








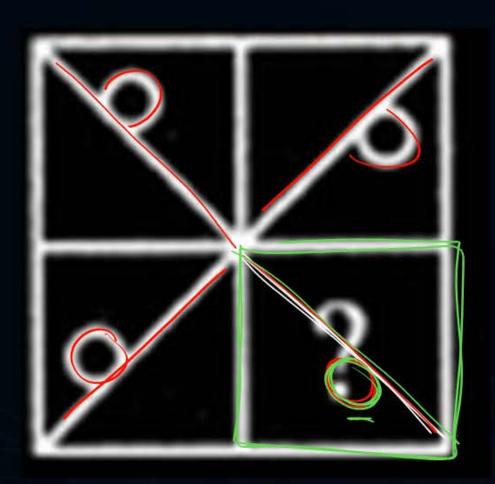




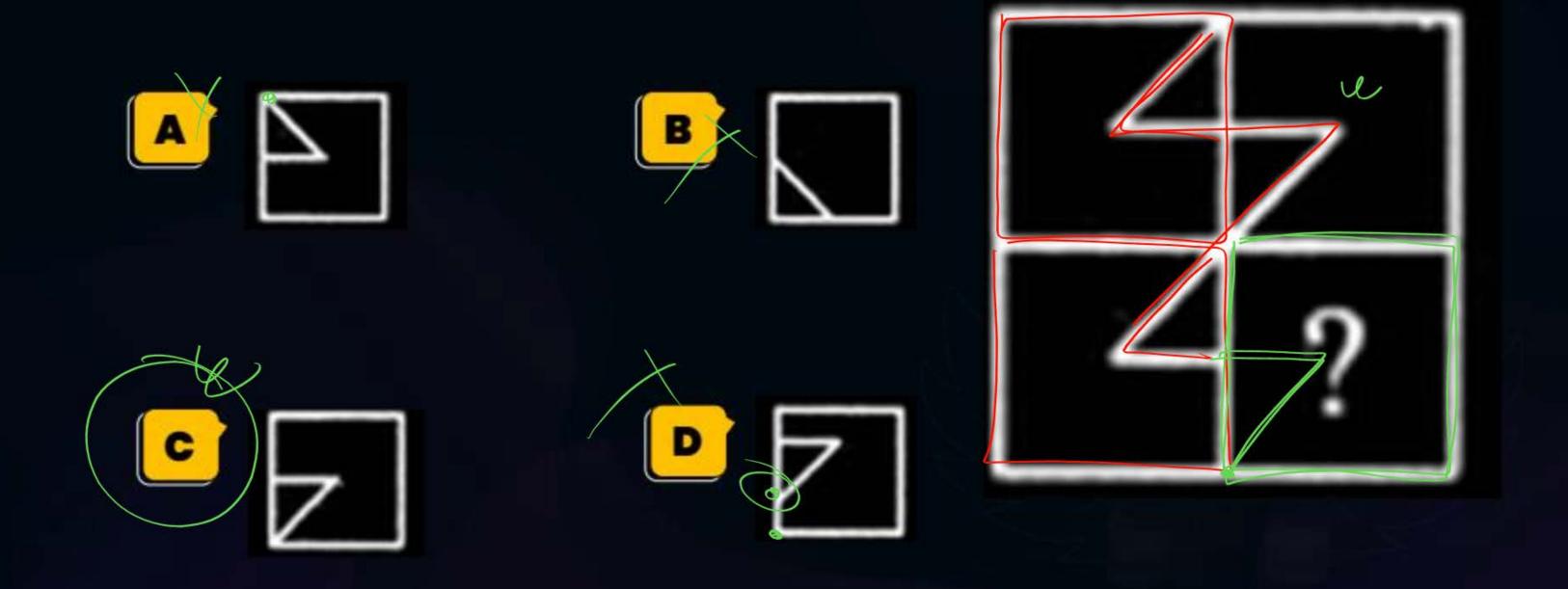


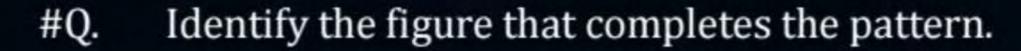






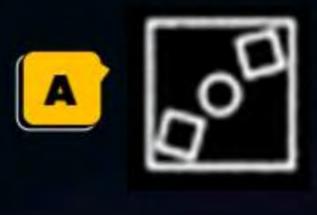












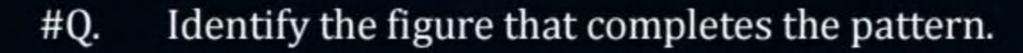


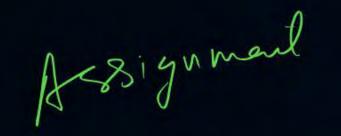




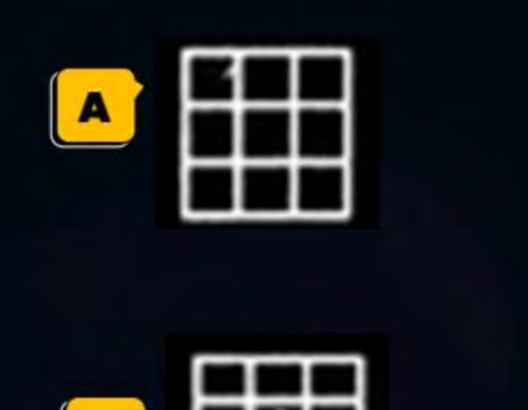






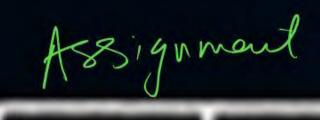




















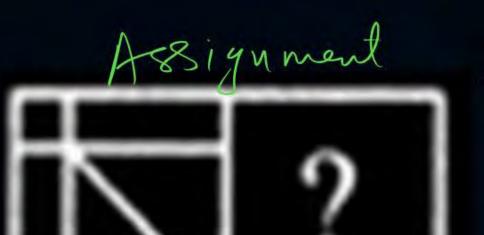
















Assign mail











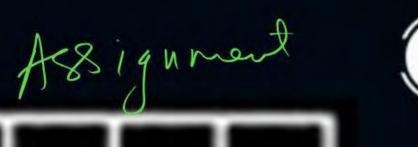


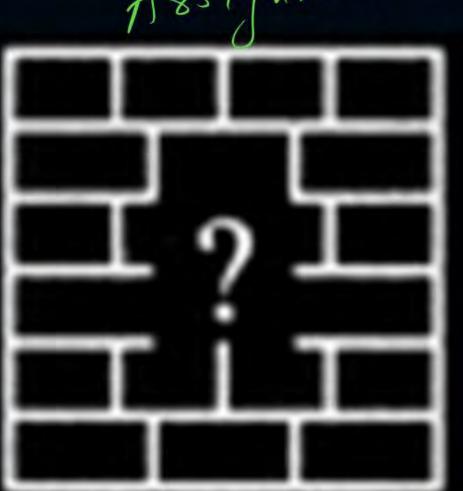






































2 mins Summary



Topic

Formation of Images



THANK - YOU