

GATE-2023 CRASH COURSE



GENERAL APTITUDE


Non-Verbal



**SPATIAL
APTITUDE-1**



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A thick yellow arrow pointing from the left towards the title.

SPATIAL APTITUDE

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



THE DEFINITION

- 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.



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

Brainstorming 1

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

4, 6, 7

1, 5, 8

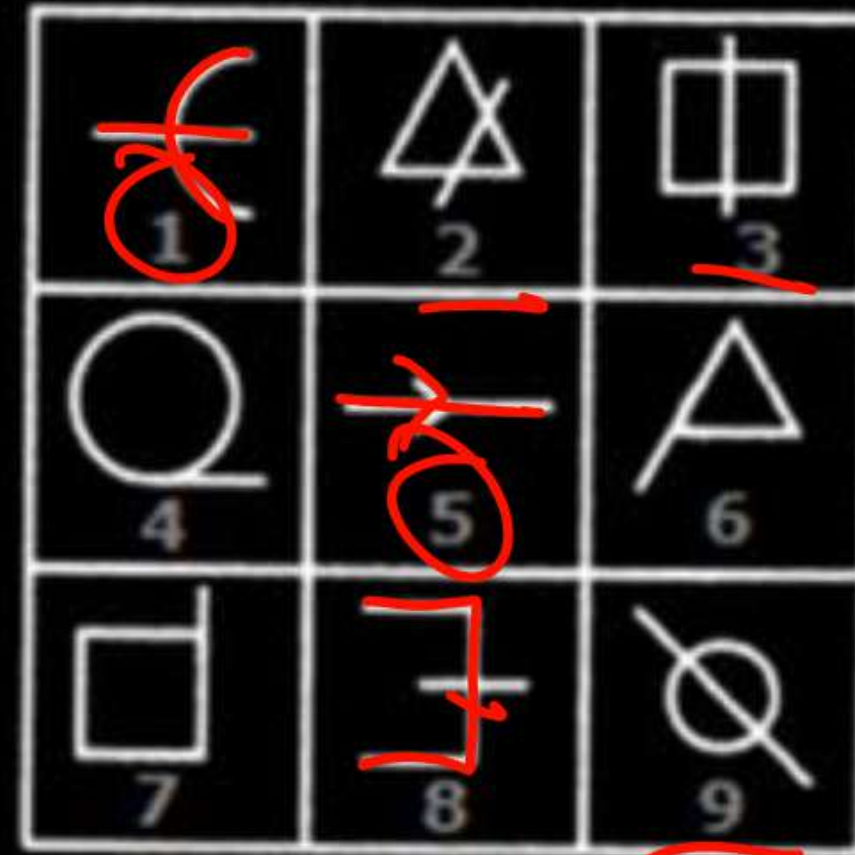
2, 3, 9

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

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

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

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

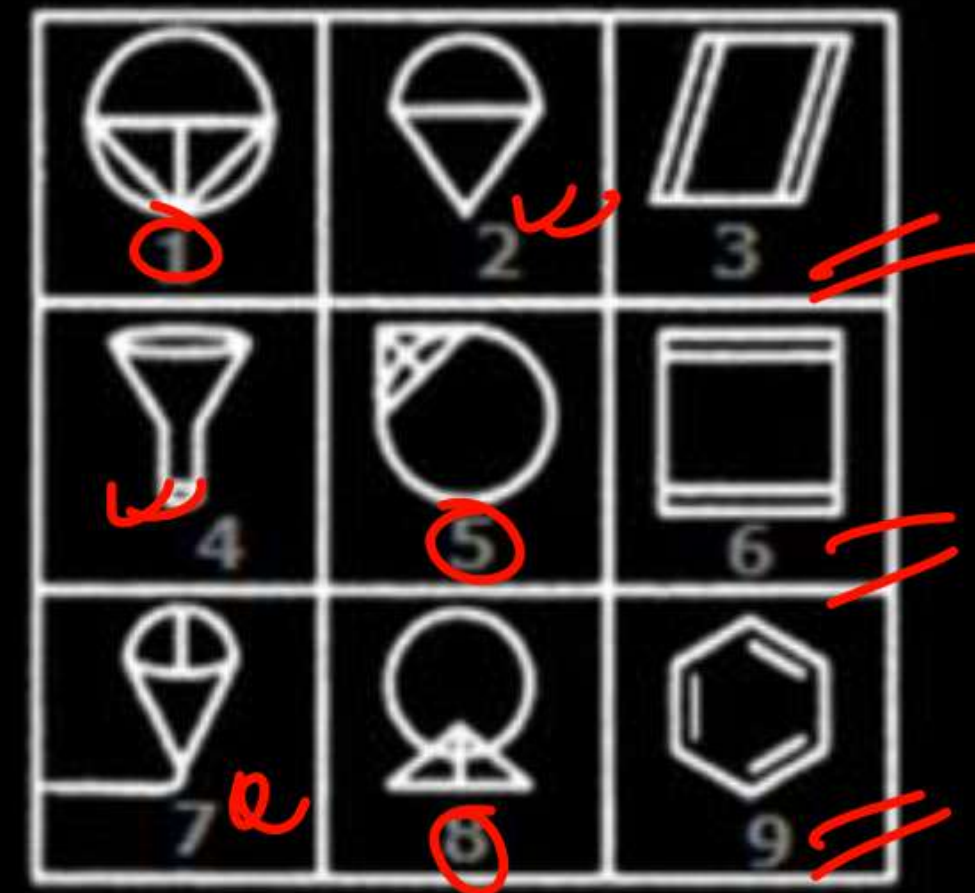


Brainstorming 2

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

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

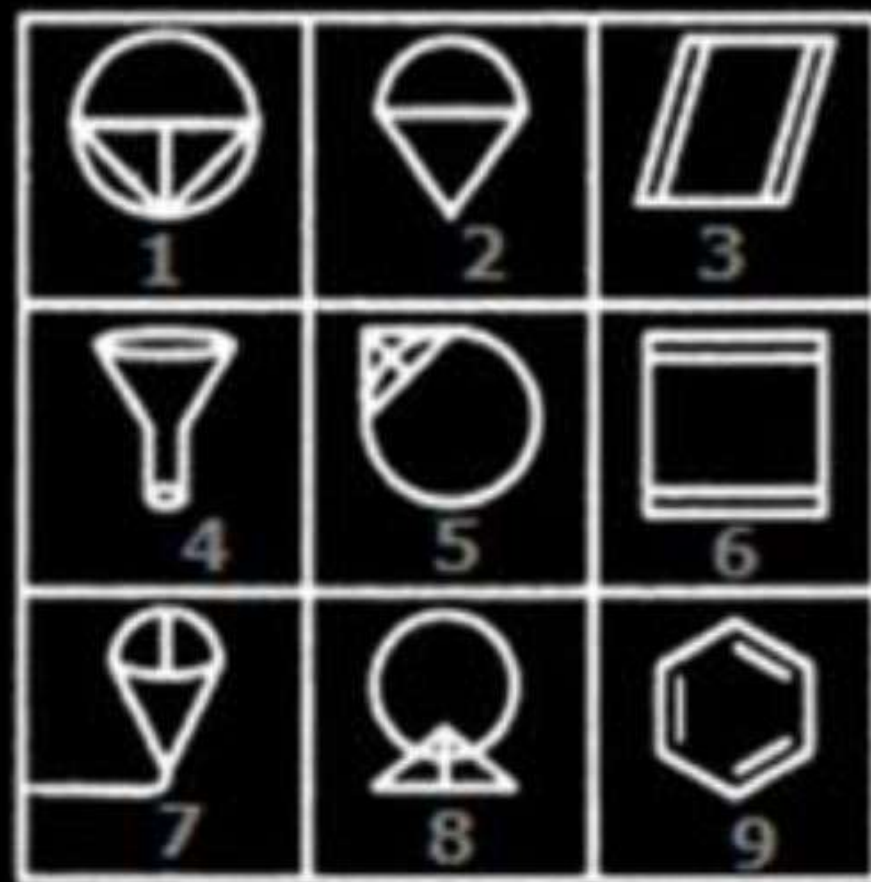
- A 1,5,8 / 2,6,7 / 3,4,9
- B 1,5,7 / 2,6,8 / 3,4,9
- C 1,5,8 / 2,4,7 / 3,6,9**
- D 1,5,8 / 2,6,9 / 3,4,7



Brainstorming 3

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

- A** 1,4,7 / 2,5,9 / 3,6,8
- B** 2,6,9 / 1,4,7 / 5,8,3
- C** 1,4,7 / 2,3,6 / 5,8,9
- D** 3,5,1 / 4,7,8 / 6,2,9



Brainstorming 4

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

1, 4, 8

3, 7, 9

2, 5, 6

- A 1,3,7 / 2,4,6 / 5,8,9
- B 1,4,6 / 2,5,7 / 3,8,9
- C 1,4,8 / 2,5,6 / 3,7,9**
- D 1,4,8 / 2,7,9 / 3,5,6

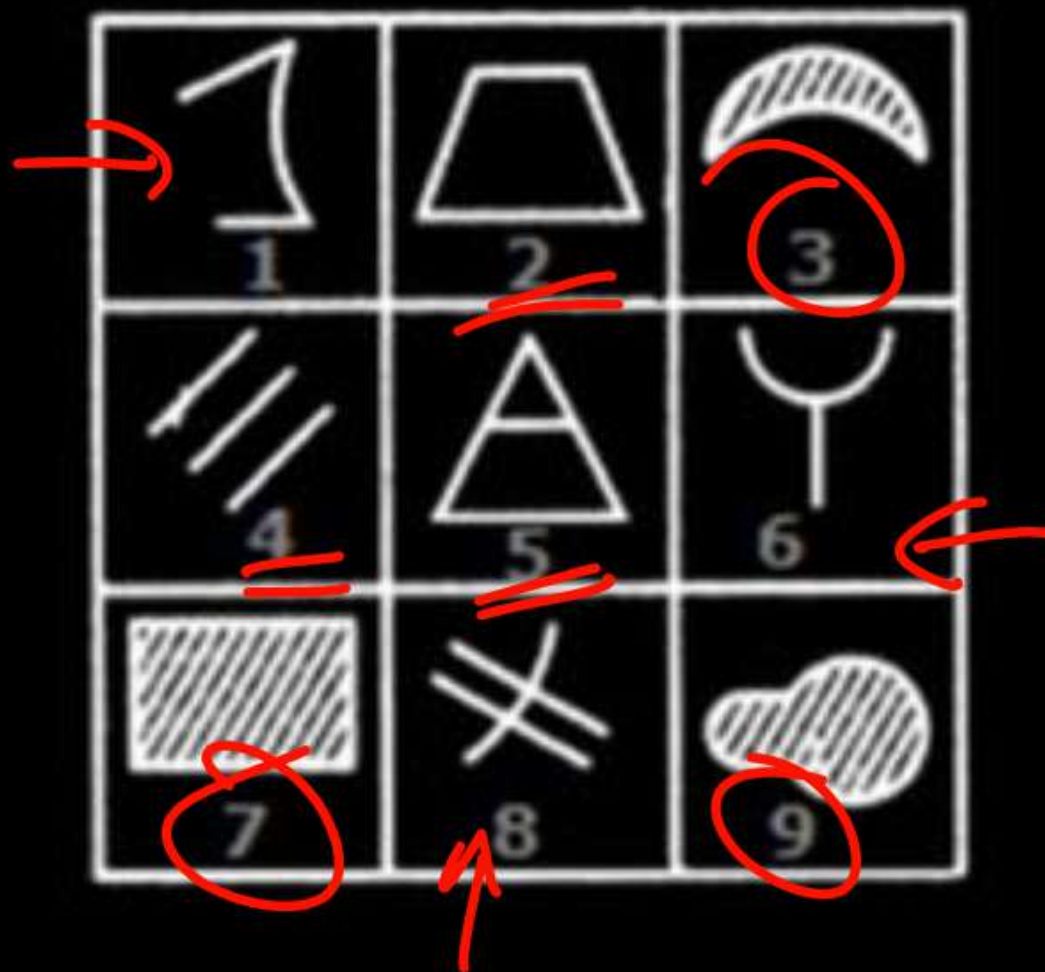


Brainstorming 5

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

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

- A 1,3,6 / 4,5,8 / 2,7,9
- B 2,3,9 / 4,5,8 / 1,6,7
- C 1,6,8 / 3,7,9 / 2,4,5
- D 3,8,9 / 1,2,7 / 4,5,6



Brainstorming 6

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

1, 4

5, 6

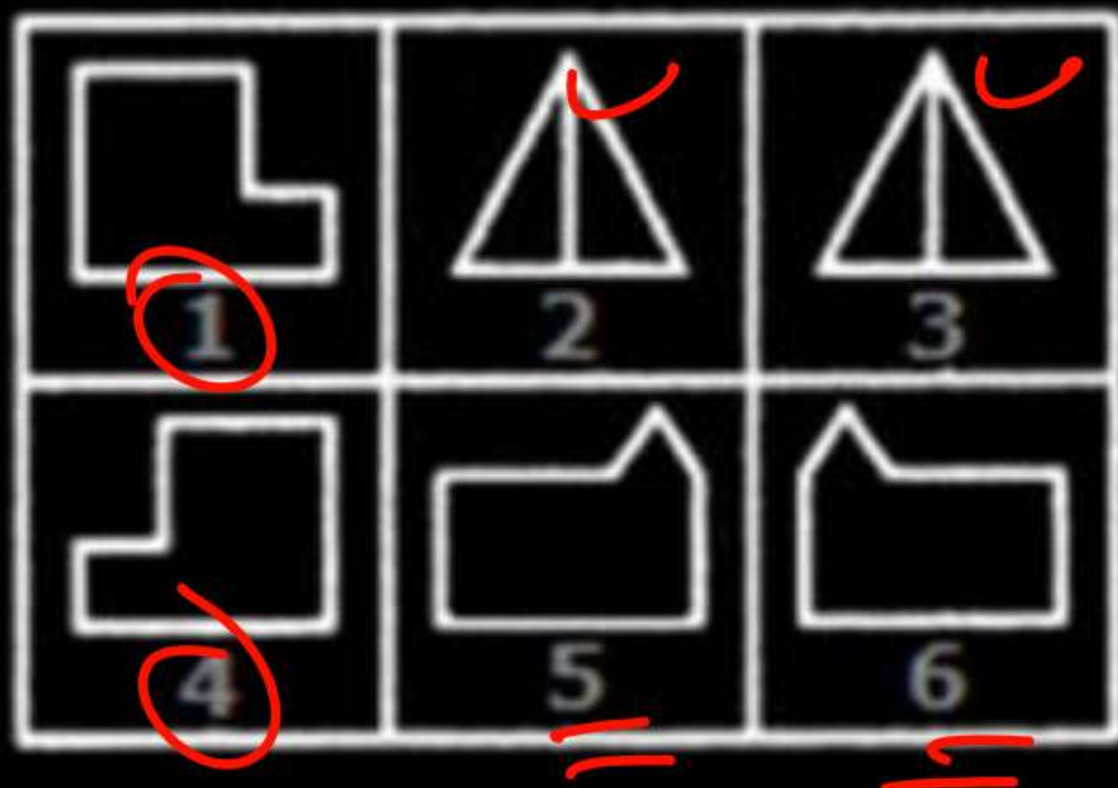
2, 3

A 1, 4 / 2, 3 / 5, 6

B 1, 5 / 2, 6 / 4, 3

C 1, 6 / 2, 3 / 4, 5

D 1, 2 / 3, 6 / 4, 5



Brainstorming 7

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

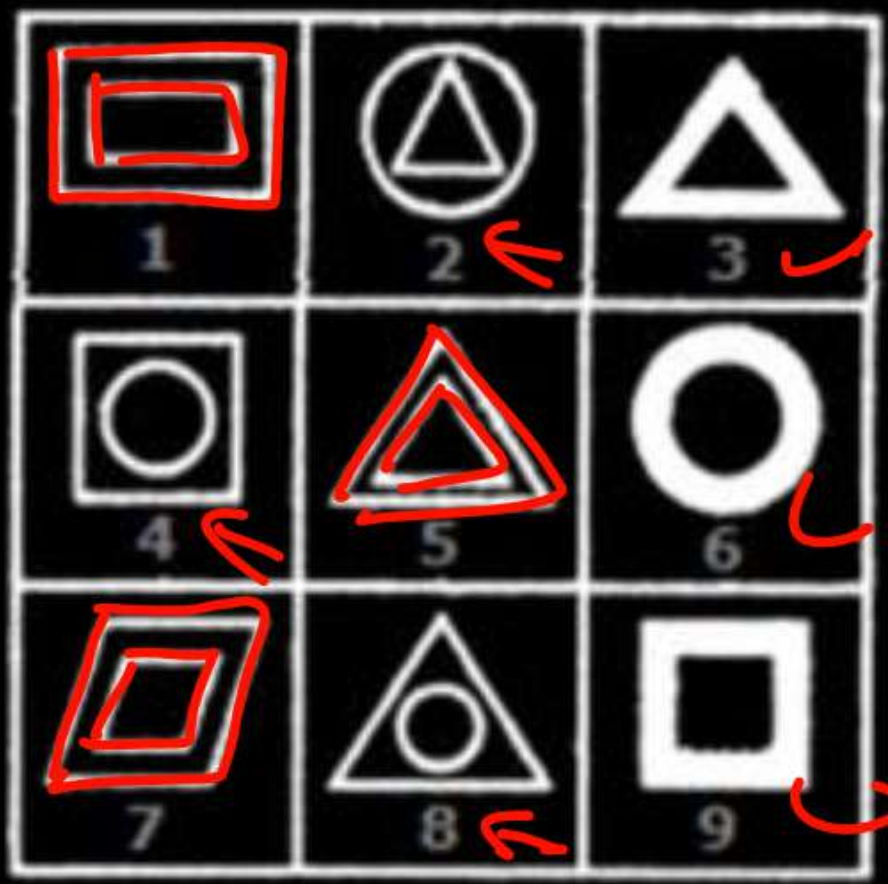
- A** 1,3,9 / 2,5,6 / 4,7,8
- B** 1,3,9 / 2,7,8 / 4,5,6
- C** 1,2,4 / 3,5,7 / 6,8,9
- D** 1,3,6 / 2,4,8 / 5,7,9



Brainstorming 8

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

- A** 1,5,7 / 2,4,6 / 3,9,8
- B** 1,5,7 / 2,4,8 / 3,6,9
- C** 1,4,7 / 2,5,8 / 3,6,9
- D** 1,7,9 / 3,5,8 / 2,4,6



1, 5, 7

3, 6, 9

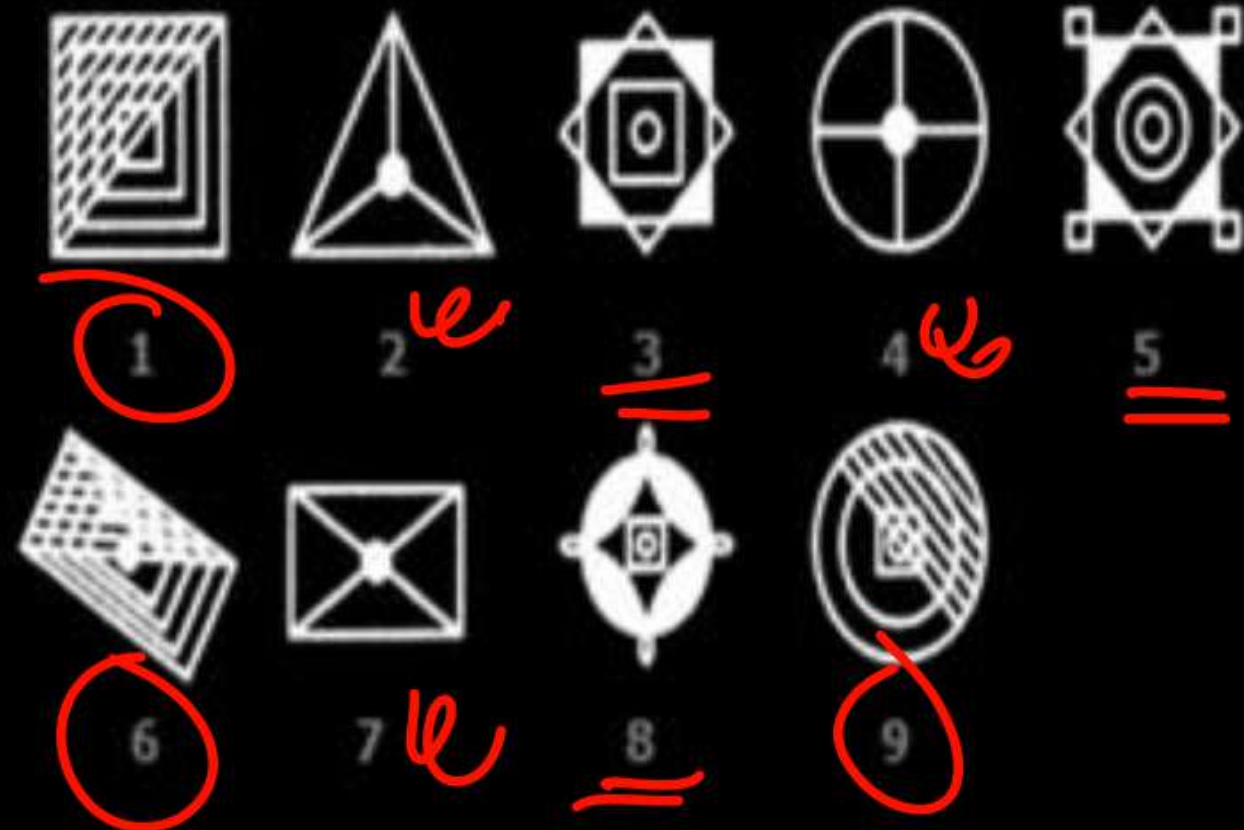
2, 4, 8



Brainstorming 9

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

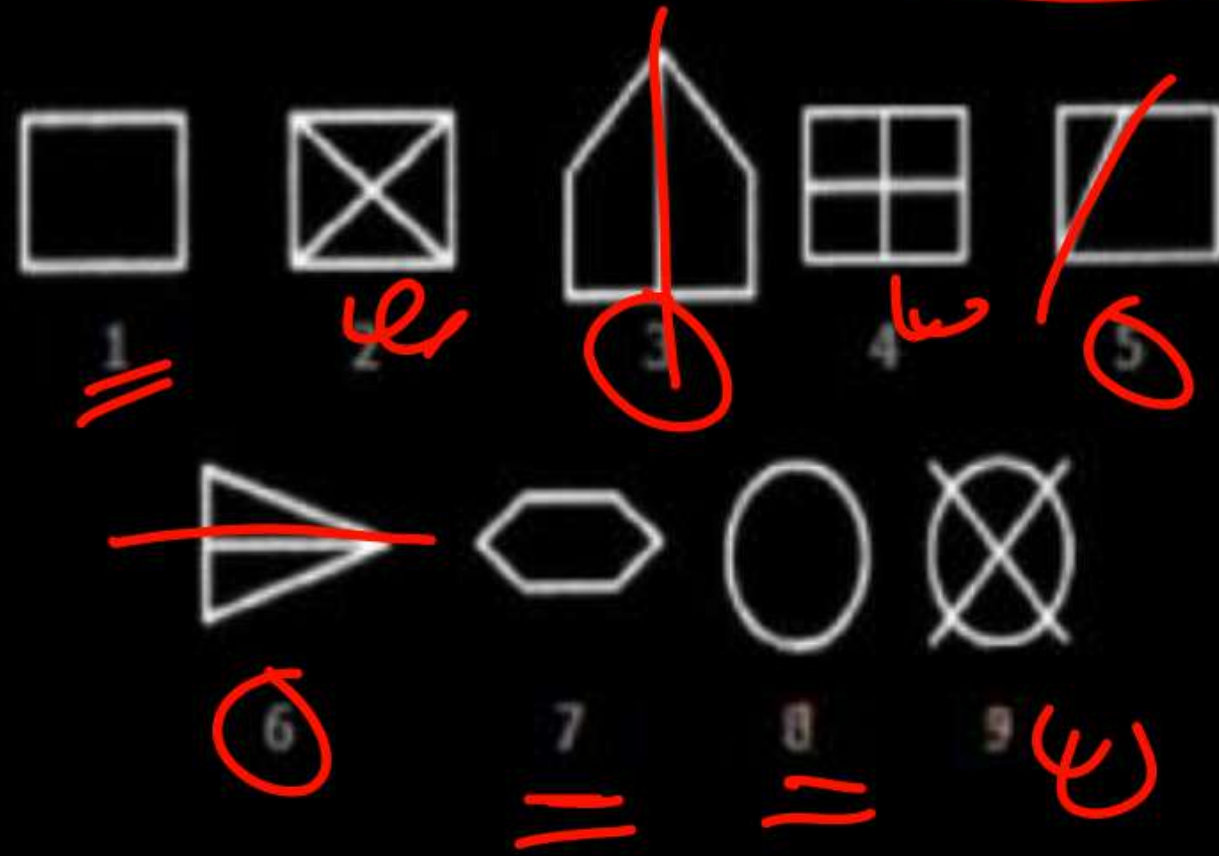
- A** 1, 3, 5 | 2, 4, 7 | 6, 8, 9
- B** 1, 5, 7 | 2, 3, 6 | 4, 8, 9
- C** 1, 3, 5 | 2, 6, 7 | 4, 8, 9
- D** 1, 6, 9 | 2, 4, 7 | 3, 5, 8



Brainstorming 10

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

- A 1, 2, 4 | 3, 5, 6 | 7, 8, 9
- B 1, 7, 8 | 3, 5, 6 | 2, 4, 9
- C 1, 7, 8 | 2, 3, 6 | 4, 5, 9
- D 1, 3, 4 | 2, 8, 9 | 5, 6, 7



1, 2, 8

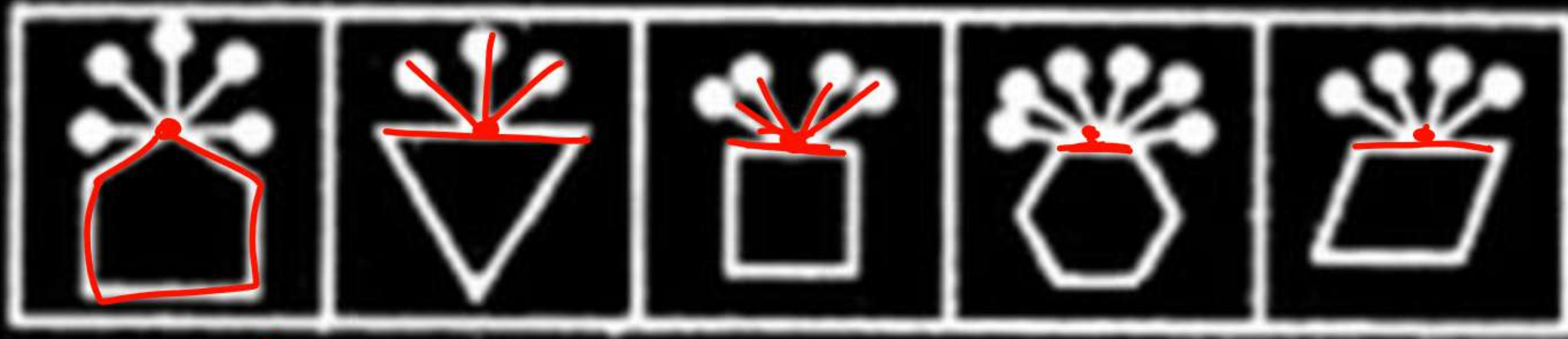
3, 5, 6

4, 7, 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.

Brainstorming 11

Choose the figure which is different from the rest



A

B

C

D

E



Brainstorming 12

Choose the figure which is different from the rest



A

B

C

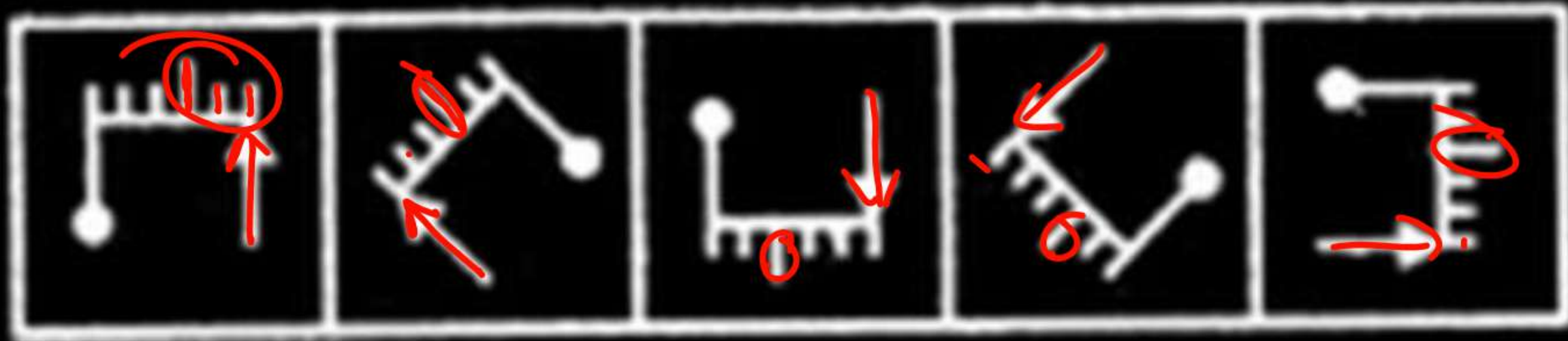
D

E



Brainstorming 13

Choose the figure which is different from the rest



A *e*

B

C

D

E



Brainstorming 14

Choose the figure which is different from the rest



A

B

C

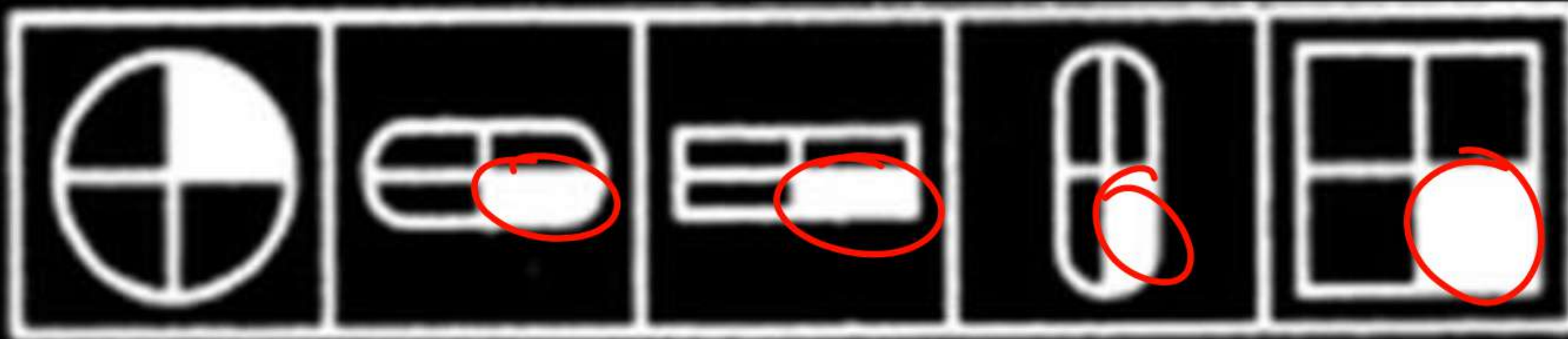
D

E



Brainstorming 15

Choose the figure which is different from the rest



A

B

C

D

E



Brainstorming 16

Choose the figure which is different from the rest



A

B

C

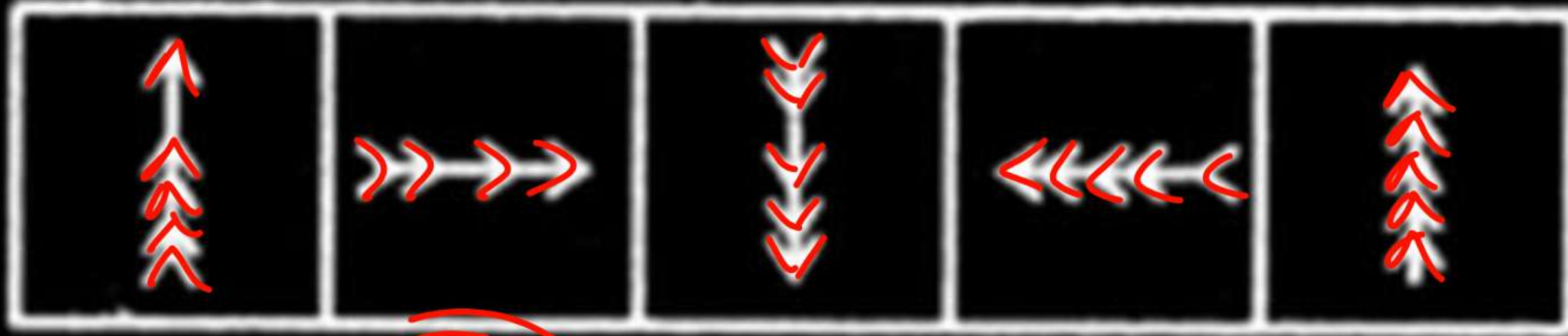
D

E



Brainstorming 17

Choose the figure which is different from the rest



A

B

C

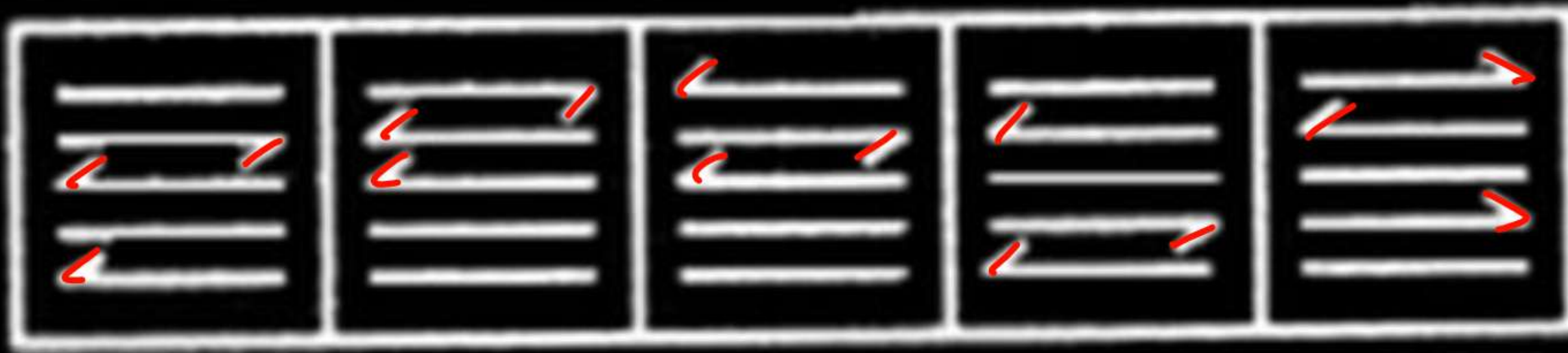
D

E



Brainstorming 18

Choose the figure which is different from the rest



A

B

C

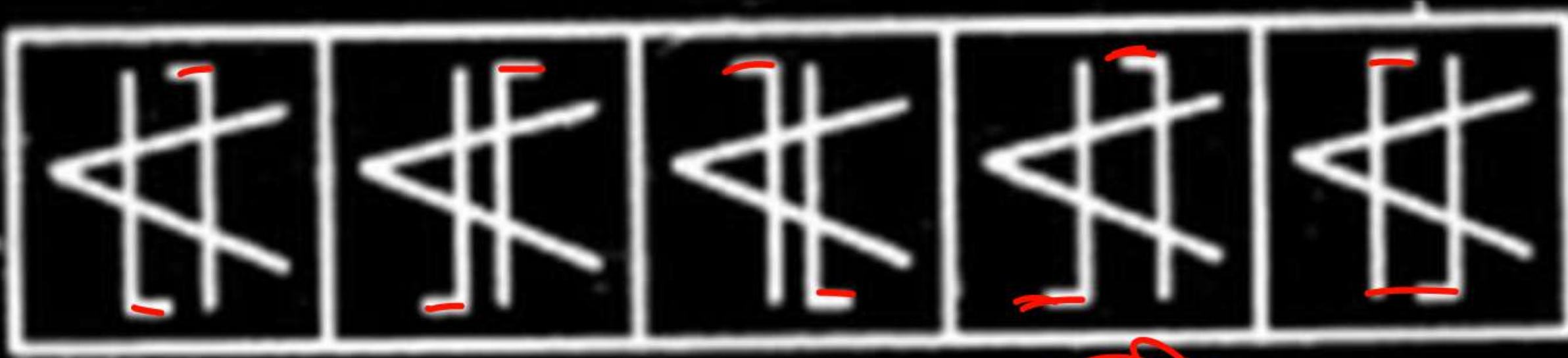
D

E



Brainstorming 19

Choose the figure which is different from the rest



A

B

C

D

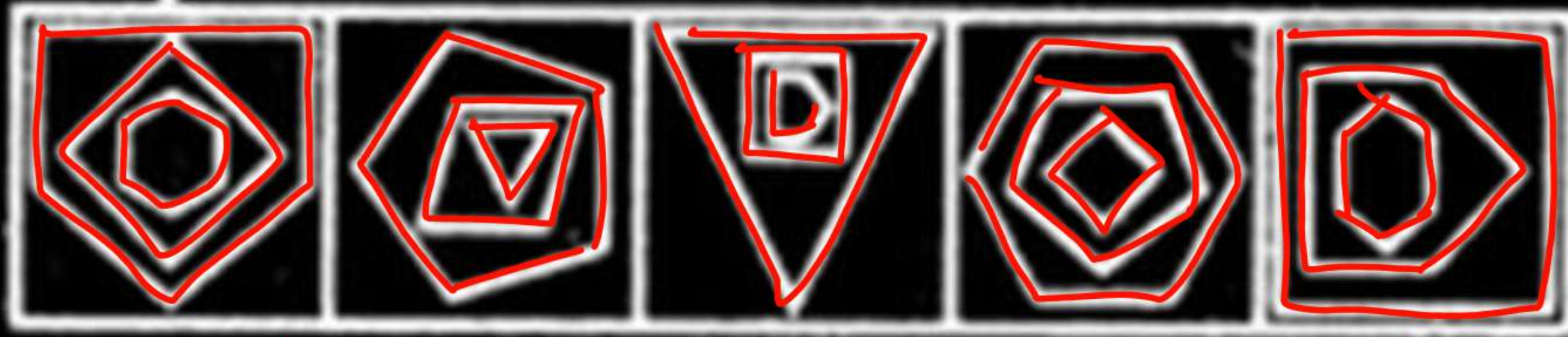
E



Brainstorming 20

Choose the figure which is different from the rest

5, 4, 6
5, 4, 3
3, 4, 5
6, 5, 4
4, 5, 6



A

B

C

D

E



Brainstorming 21

Choose the figure which is different from the rest



A *e*

B

C

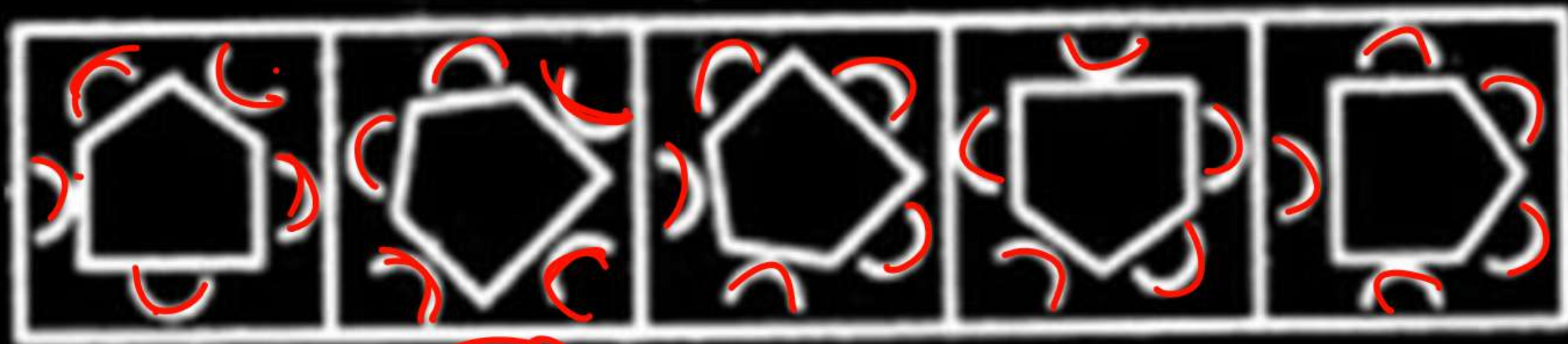
D

E



Brainstorming 22

Choose the figure which is different from the rest



A

B

C

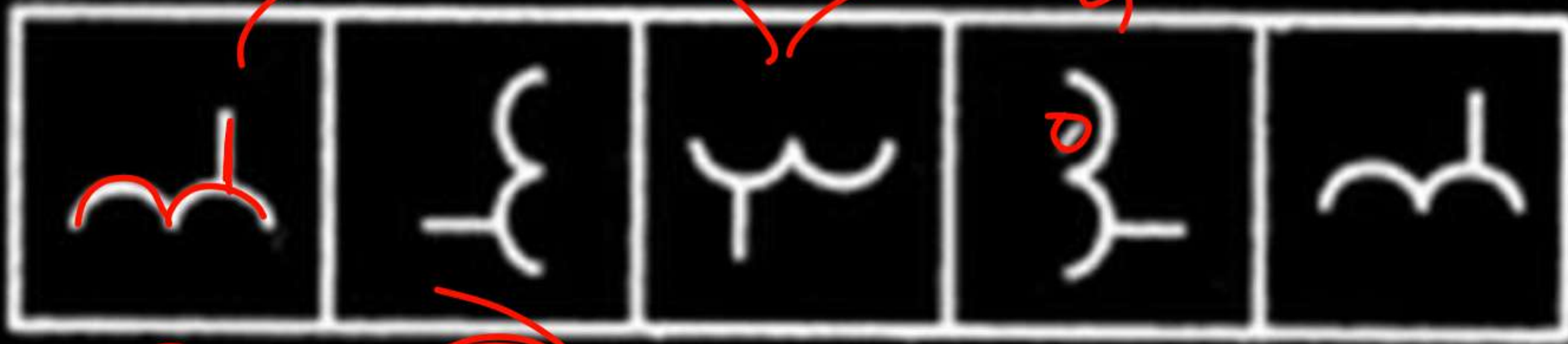
D

E



Brainstorming 23

Choose the figure which is different from the rest



A

B

C

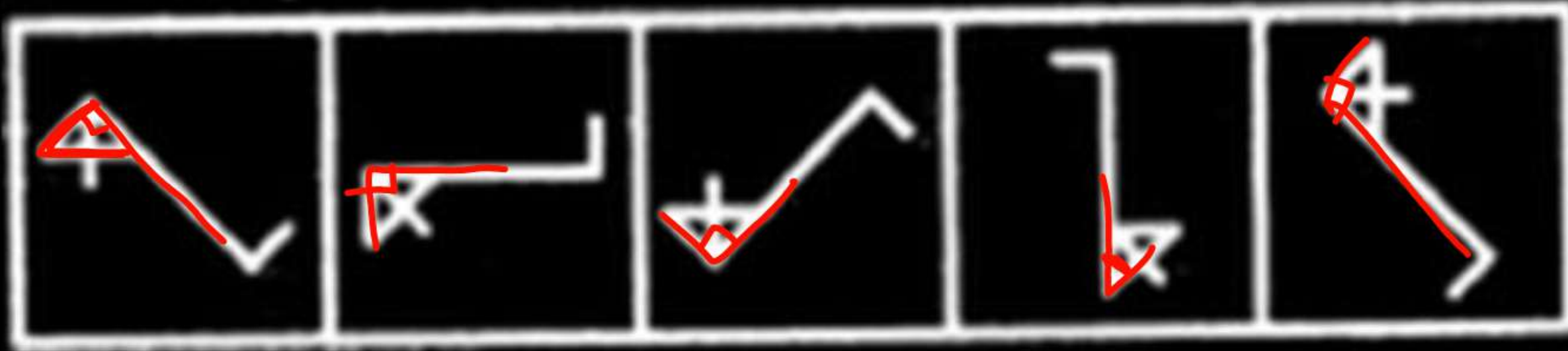
D

E



Brainstorming 24

Choose the figure which is different from the rest



A

B

C

D

E



Brainstorming 25

Choose the figure which is different from the rest



A

B

C

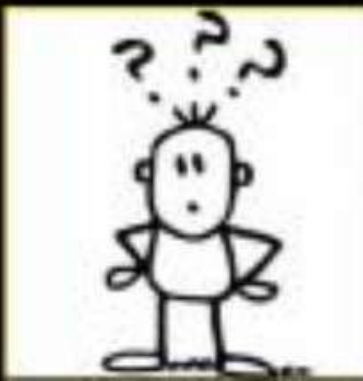
D

E



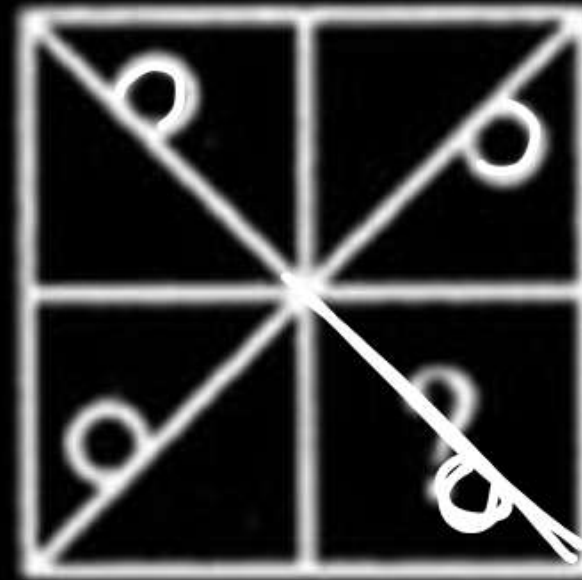
Brainstorming 26

Identify the figure that completes the pattern.



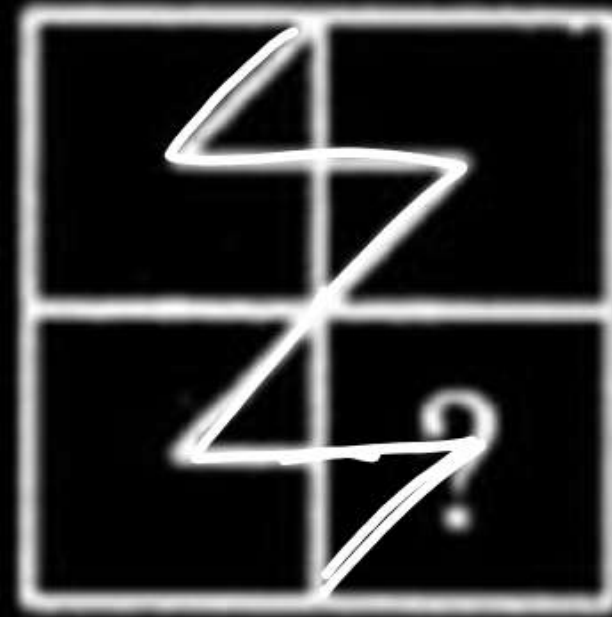
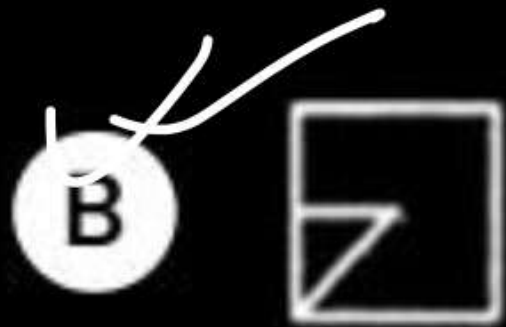
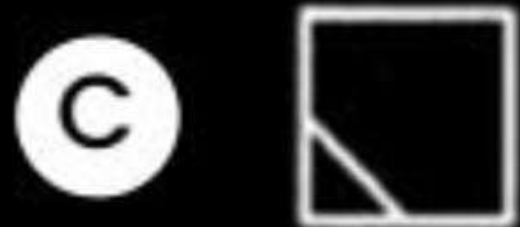
Brainstorming 27

Identify the figure that completes the pattern.



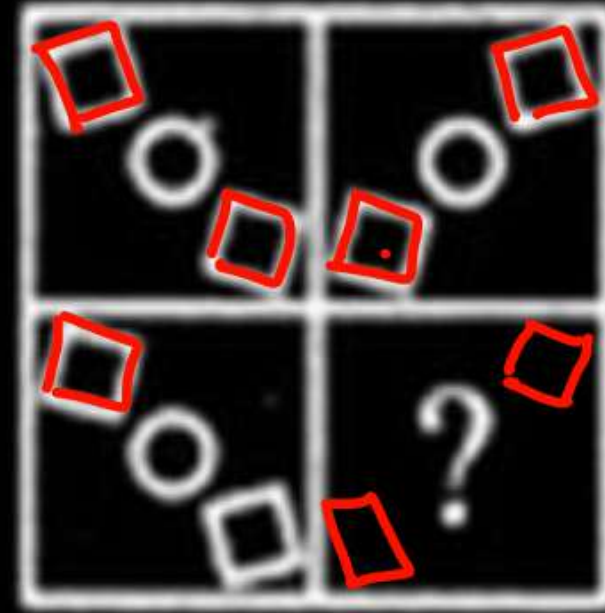
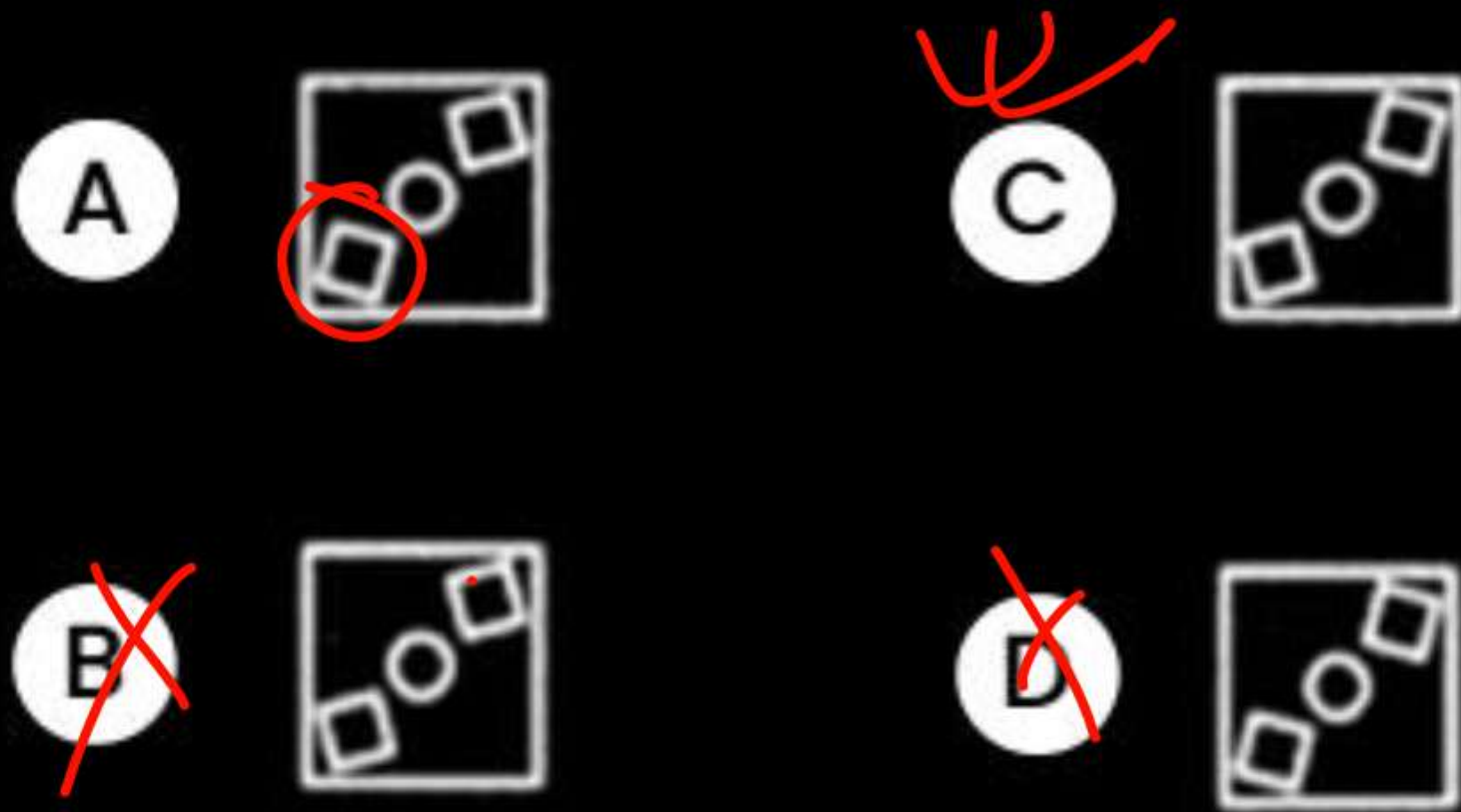
Brainstorming 28

Identify the figure that completes the pattern.



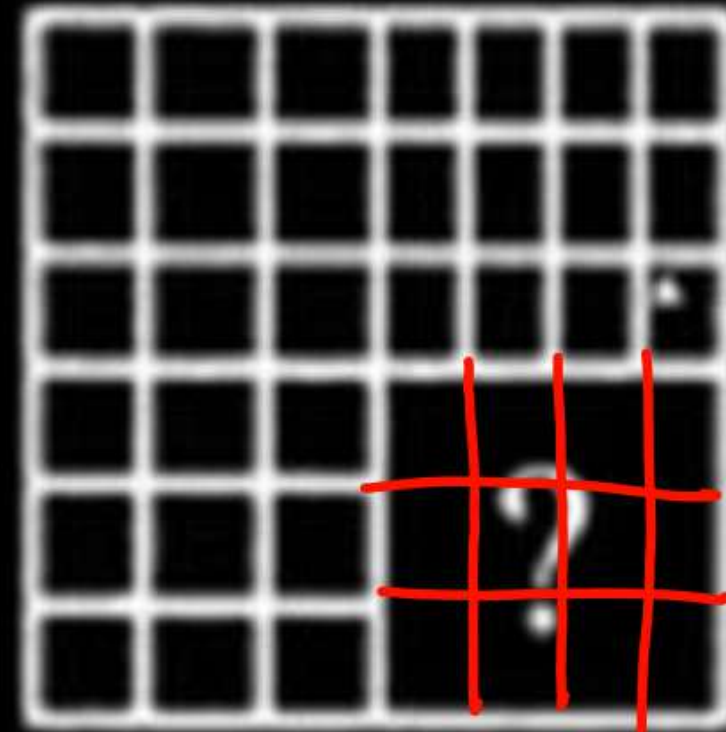
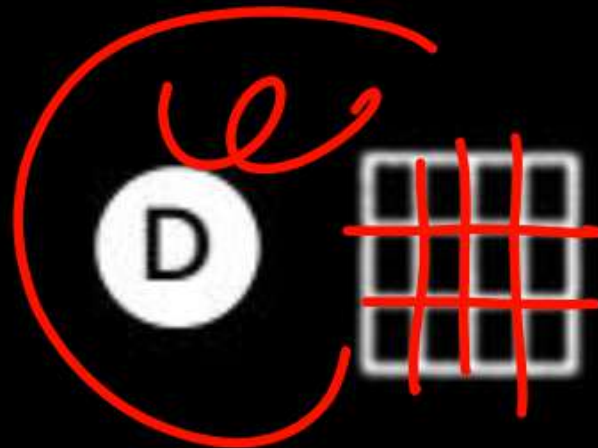
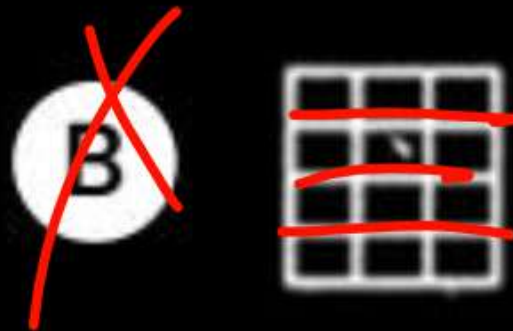
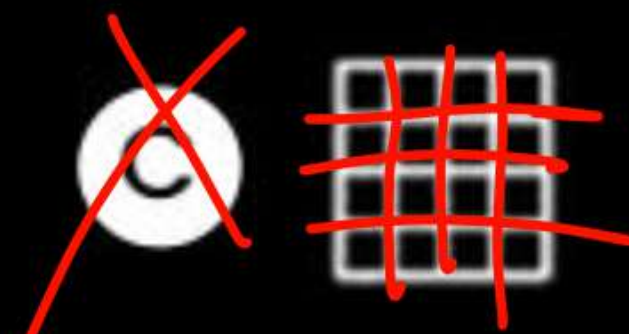
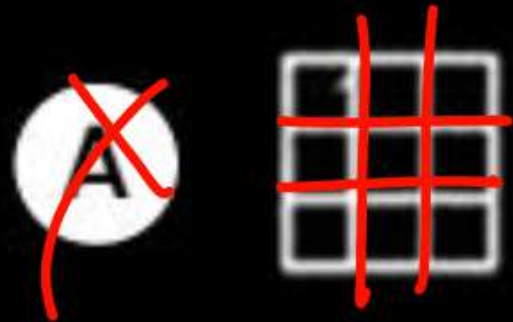
Brainstorming 29

Identify the figure that completes the pattern.



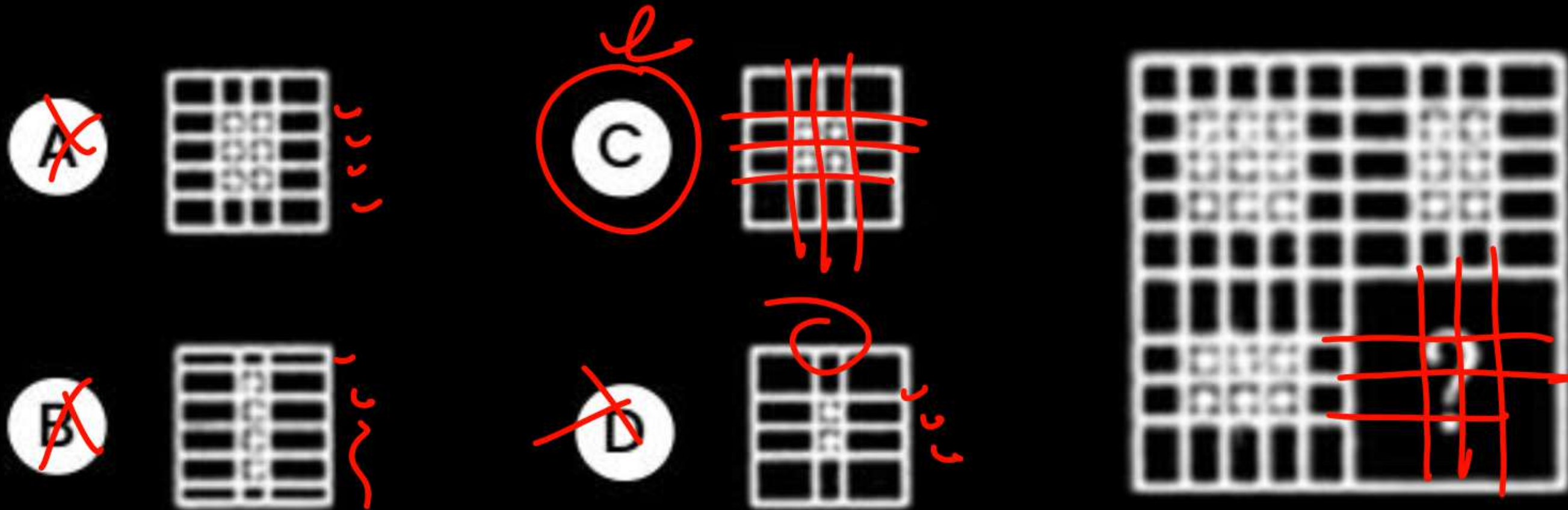
Brainstorming 30

Identify the figure that completes the pattern.



Brainstorming 31

Identify the figure that completes the pattern.



Brainstorming 32

Identify the figure that completes the pattern.



A

B

C

D

