

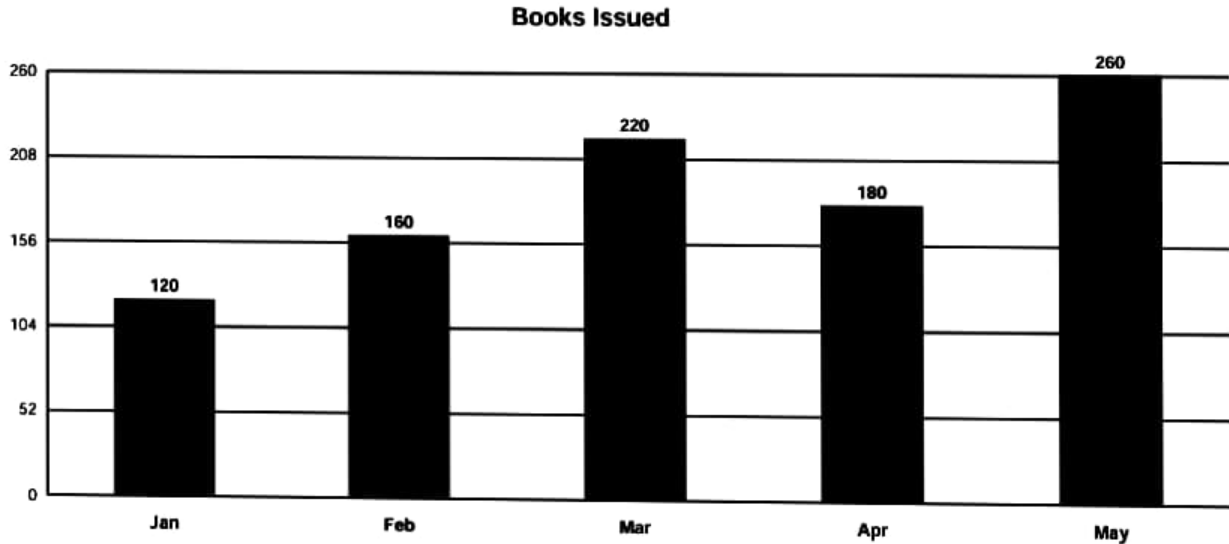
DATA INTERPRETATION & REASONING

10 Diagram / Graph / Table Based Questions

Name: _____ Class/Section: _____ Date: _____

Q1. Bar Graph

A school library recorded the number of books issued in five months.



Question:

Which month had the highest number of books issued? How many more books were issued then than in February?

- A) 80
- C) 100

- B) 90
- D) 110

DATA INTERPRETATION & REASONING

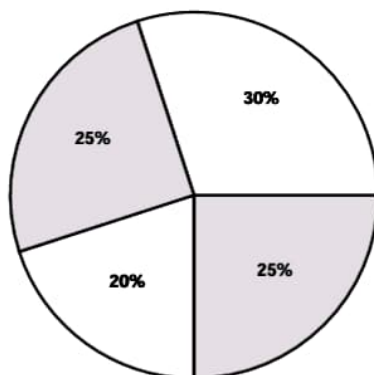
10 Diagram / Graph / Table Based Questions

Name: _____ Class/Section: _____ Date: _____

Q3. Pie Chart

A student divides 20 hours of study among four subjects.

Study Time Distribution



Mathematics 30%
Science 25%
English 20%
Social Science 25%

Question:

How many hours are spent on Mathematics and Science together?

A) 9 h

B) 10 h

C) 11 h

D) 12 h

Q4. Table

The table shows saplings planted by four houses in two weeks.

House	Week 1	Week 2
Red	48	35
Blue	52	41
Green	60	38
Yellow	45	44

Question:

Which house planted the most saplings altogether?

A) Red

B) Blue

C) Green

D) Yellow

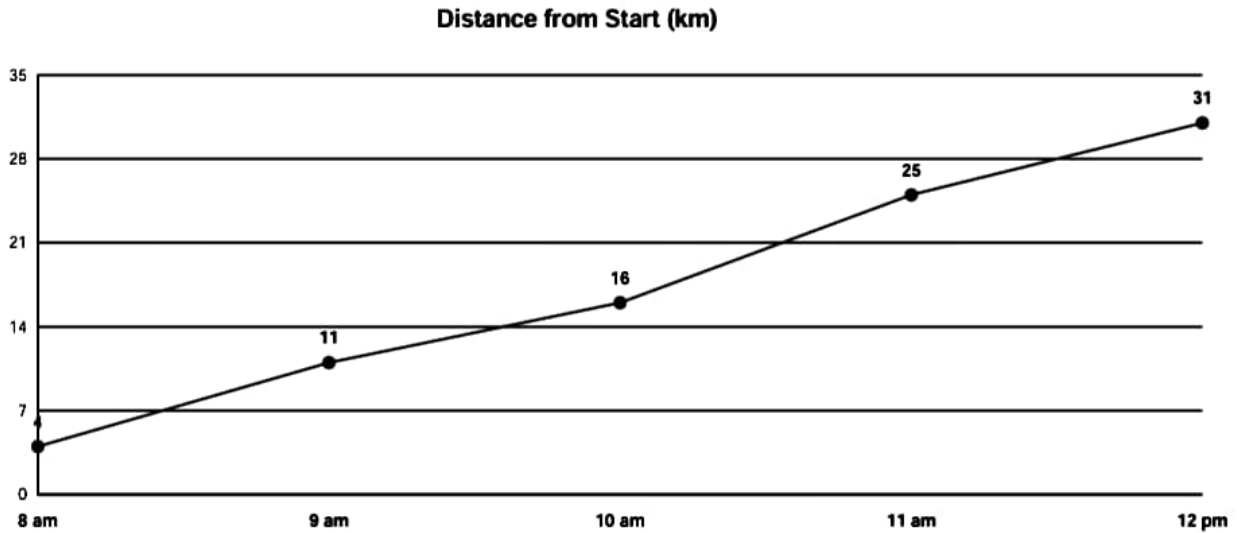
DATA INTERPRETATION & REASONING

10 Diagram / Graph / Table Based Questions

Name: _____ Class/Section: _____ Date: _____

Q5. Line Graph

The graph shows a cyclist's distance from the starting point at different times.



Question:

Between which two consecutive times did the cyclist cover the greatest distance?

A) 8–9 am

B) 9–10 am

C) 10–11 am

D) 11 am–12 pm



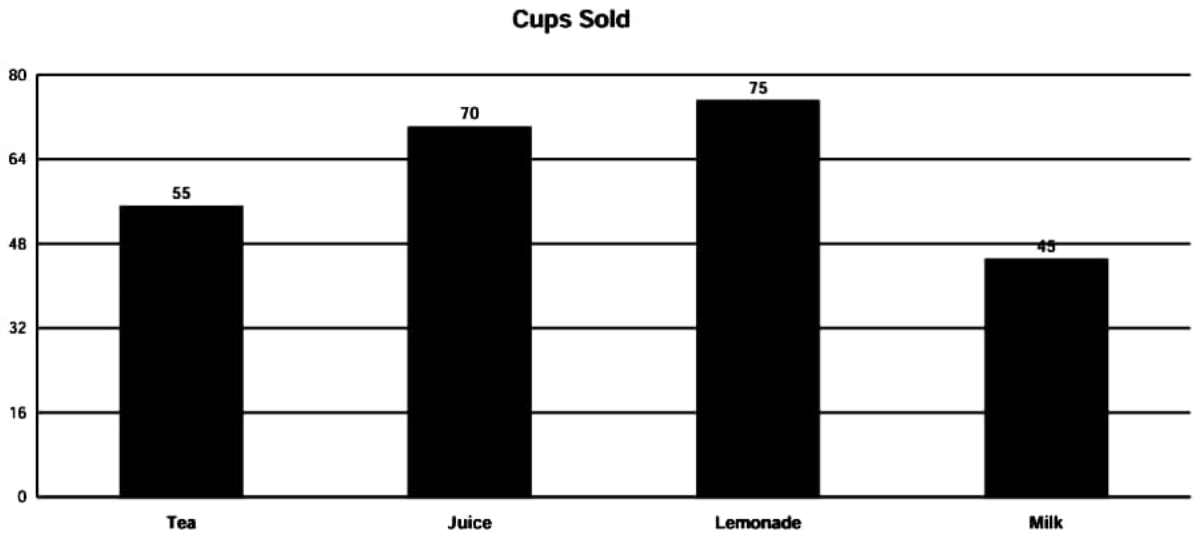
DATA INTERPRETATION & REASONING

10 Diagram / Graph / Table Based Questions

Name: _____ Class/Section: _____ Date: _____

Q7. Bar Graph

A canteen recorded the number of cups of four drinks sold.



Question:

How many cups of Tea and Milk were sold together?

A) 90

B) 95

C) 100

D) 105

DATA INTERPRETATION & REASONING

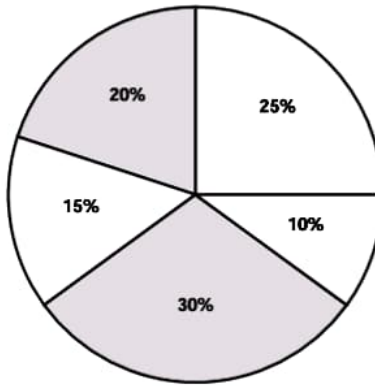
10 Diagram / Graph / Table Based Questions

Name: _____ Class/Section: _____ Date: _____

Q8. Pie Chart

A family's monthly budget is ₹20,000.

Monthly Family Budget



Food 25%
Education 20%
Transport 15%
Household 30%
Other 10%

Question:

How much is spent on Food and Education together?

A) ₹8,000

B) ₹9,000

C) ₹10,000

D) ₹11,000

DATA INTERPRETATION & REASONING

10 Diagram / Graph / Table Based Questions

Name: _____ Class/Section: _____ Date: _____

Q9. Table

The table gives questions solved by four students in three practice sessions.

Student	Session 1	Session 2	Session 3
Asha	18	22	20
Riya	20	19	24
Kabir	16	25	21
Neel	22	18	22

Question:

Who solved the highest total number of questions?

- A) Asha
- C) Kabir

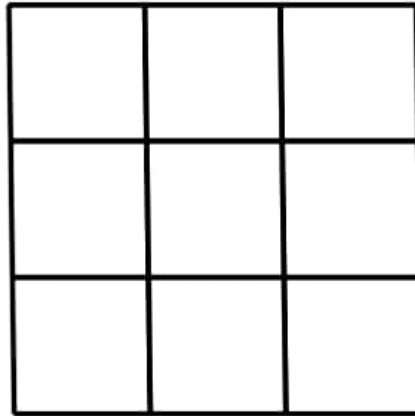
- B) Riya
- D) Neel

FIGURE COUNTING – REASONING

Count the required figures carefully. Choose the correct option.

Question 1

3 × 3 square grid



How many squares are present in the figure?

A) 9

B) 12

C) 14

D) 16

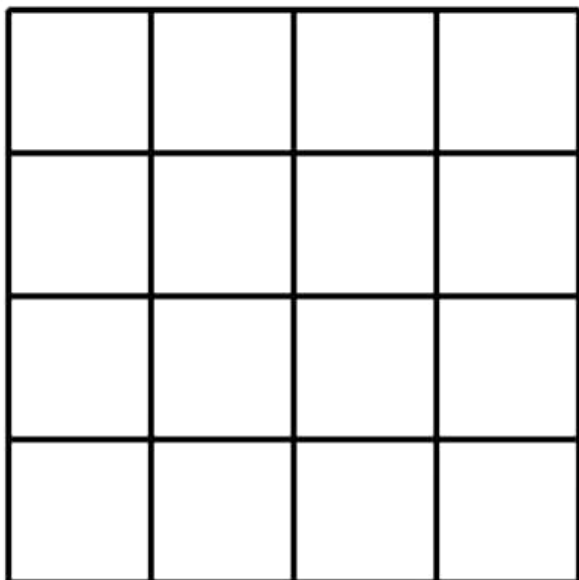
Tip: Count small figures first, then larger figures formed by combining them.

FIGURE COUNTING – REASONING

Count the required figures carefully. Choose the correct option.

Question 2

4 × 4 square grid



How many squares are present in the figure?

A) 24

B) 30

C) 32

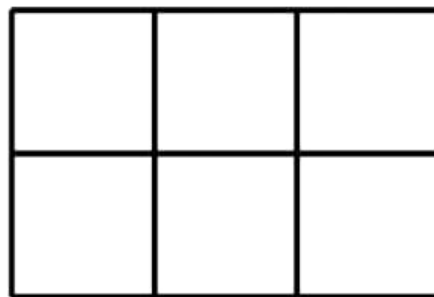
D) 36

FIGURE COUNTING – REASONING

Count the required figures carefully. Choose the correct option.

Question 3

Rectangular grid with 3 columns and 2 rows



How many squares are present in the figure?

A) 6

B) 7

C) 8

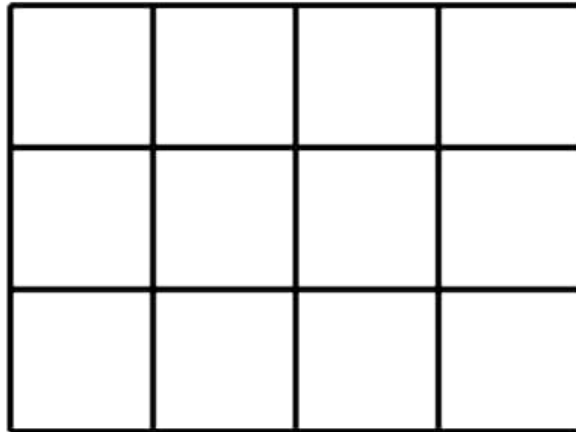
D) 9

FIGURE COUNTING – REASONING

Count the required figures carefully. Choose the correct option.

Question 4

Rectangular grid with 4 columns and 3 rows



How many squares are present in the figure?

A) 18

B) 20

C) 22

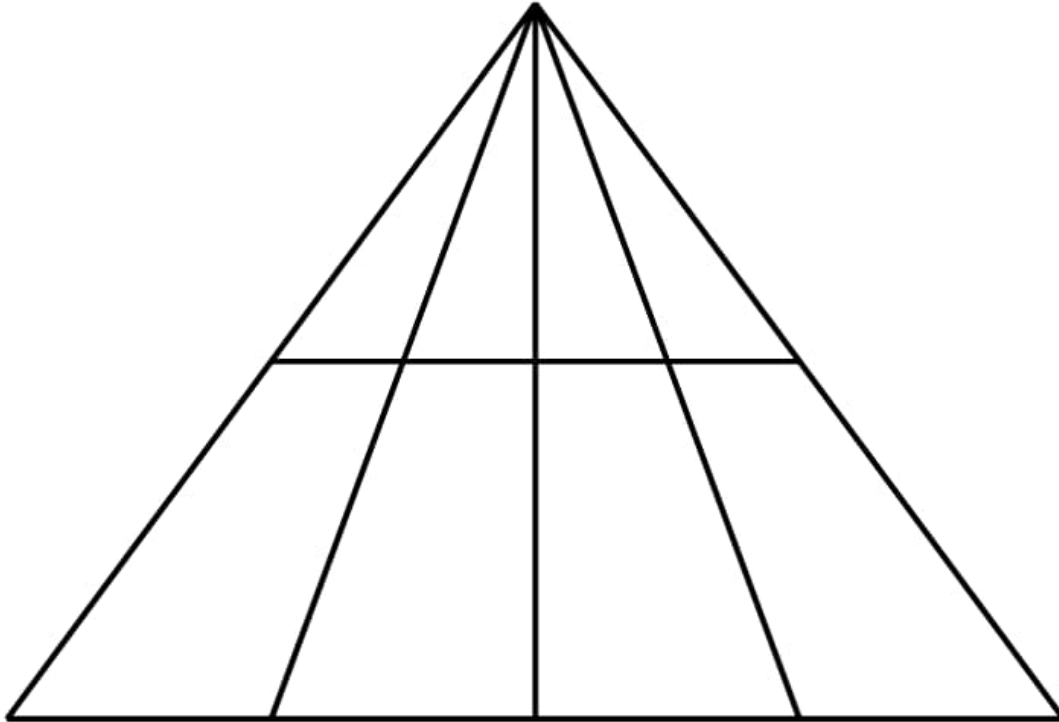
D) 24

FIGURE COUNTING – REASONING

Count the required figures carefully. Choose the correct option.

Question 6

A triangle divided by 5 apex-to-base lines and 1 horizontal line



How many triangles are present in the figure?

A) 16

B) 18

C) 20

D) 24

CLASS 7 – REASONING

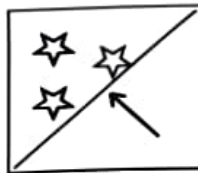
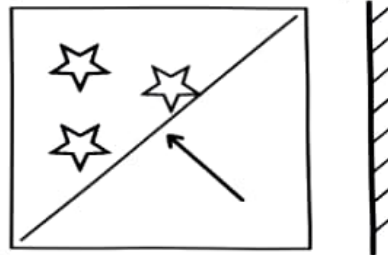
MIRROR IMAGES & WATER IMAGES

Diagram-based questions • Choose the exact image

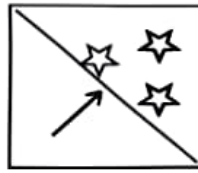
Name: _____ Section: _____ Date: _____

1. MIRROR IMAGE

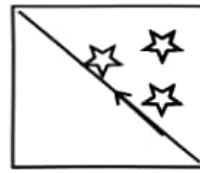
A vertical mirror is placed on the right side. Which option is the exact mirror image?



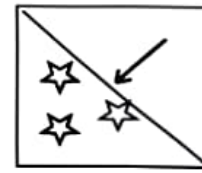
(A)



(B)



(C)

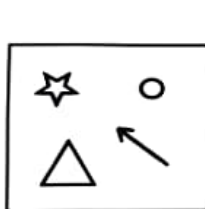
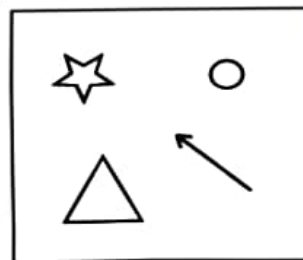


(D)

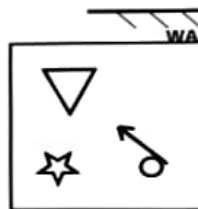
Select the figure that is the exact mirror/water image.

2. WATER IMAGE

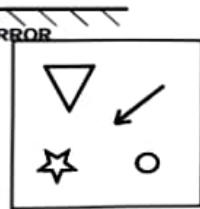
A horizontal mirror is placed below. Which option is the exact water image?



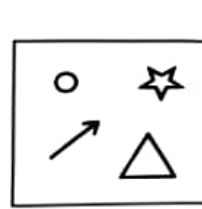
(A)



(B)



(C)



(D)

Select the figure that is the exact mirror/water image.



CLASS 7 – REASONING

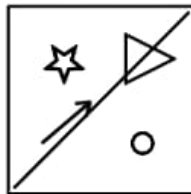
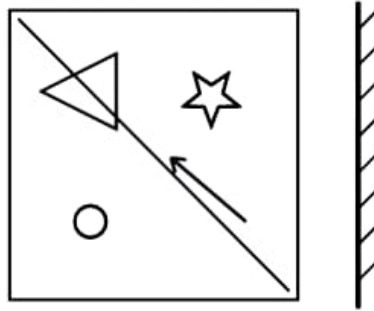
MIRROR IMAGES & WATER IMAGES

Diagram-based questions • Choose the exact image

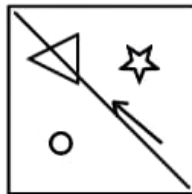
Name: _____ Section: _____ Date: _____

3. MIRROR IMAGE

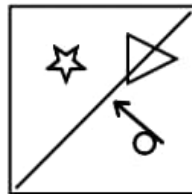
A vertical mirror is placed on the right. Select the figure that shows the correct reflected positions and directions.



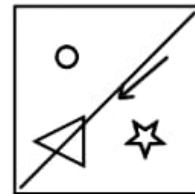
(A)



(B)



(C)

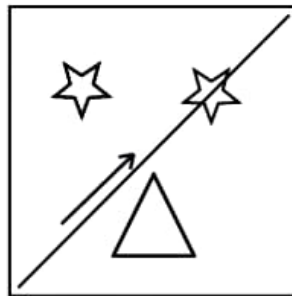


(D)

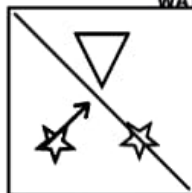
Select the figure that is the exact mirror/water image.

4. WATER IMAGE

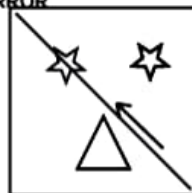
A water mirror is placed below the square. Which option shows the correct image?



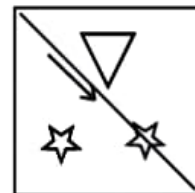
(A)



(B)



(C)



(D)

Select the figure that is the exact mirror/water image.

CLASS 7 – REASONING

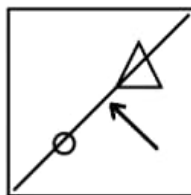
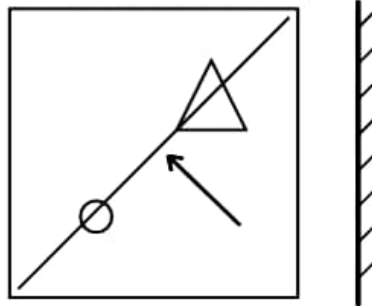
MIRROR IMAGES & WATER IMAGES

Diagram-based questions • Choose the exact image

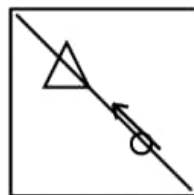
Name: _____ Section: _____ Date: _____

5. MIRROR IMAGE

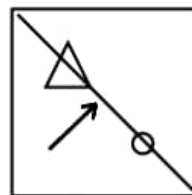
The mirror is on the right. Which option correctly reflects the complete figure? **MIRROR**



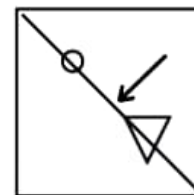
(A)



(B)



(C)

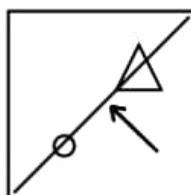
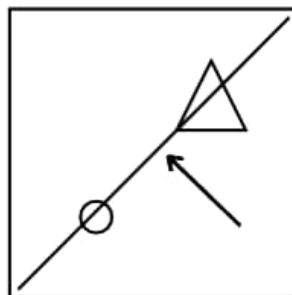


(D)

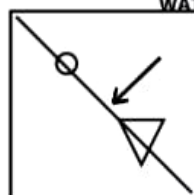
Select the figure that is the exact mirror/water image.

6. WATER IMAGE

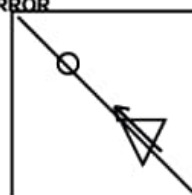
The water mirror is below. Which option correctly reflects the complete figure?



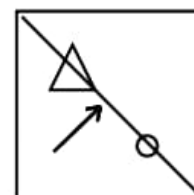
(A)



(B)



(C)



(D)

Select the figure that is the exact mirror/water image.

CLASS 7 – REASONING

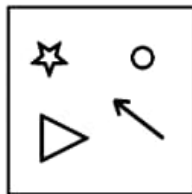
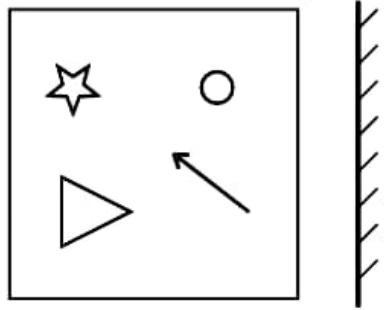
MIRROR IMAGES & WATER IMAGES

Diagram-based questions • Choose the exact image

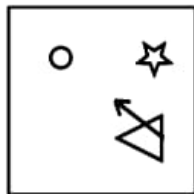
Name: _____ Section: _____ Date: _____

7. MIRROR IMAGE

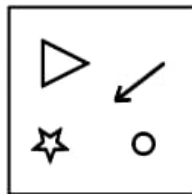
A vertical mirror is placed on the right. Which option keeps the heights unchanged and reverses left and right?



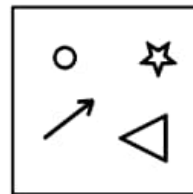
(A)



(B)



(C)

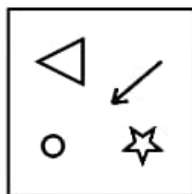
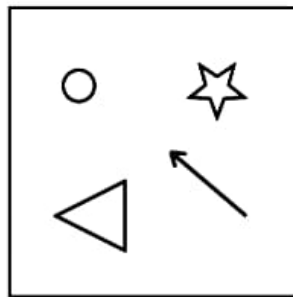


(D)

Select the figure that is the exact mirror/water image.

8. WATER IMAGE

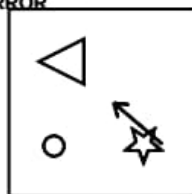
A horizontal mirror is placed below. Which option keeps left and right unchanged but reverses top and bottom?



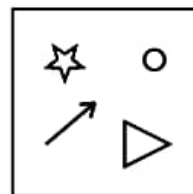
(A)



(B)



(C)



(D)

Select the figure that is the exact mirror/water image.