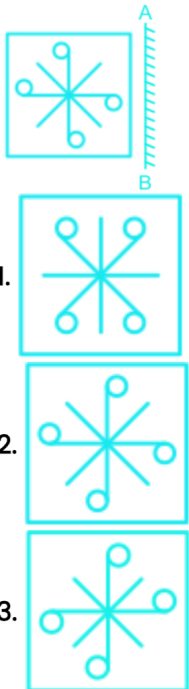





Date : 31st Dec 2023

Logical Reasoning – Mirror+Cube & Dice

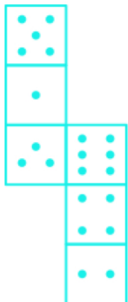
English

**Q:1** Choose the correct mirror image of the following question figure if a mirror AB is placed on the right side of the figure.



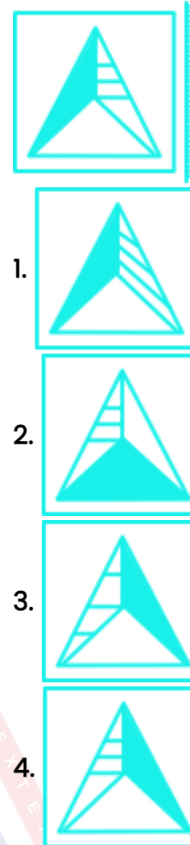
1. 
2. 
3. 
4. None of these

**Q:2** How many dots lie opposite to the face having three dots, when the given figure is folded to form a cube?

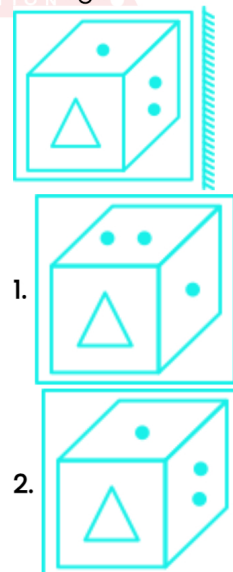


1. 1
2. 6
3. 5
4. 3

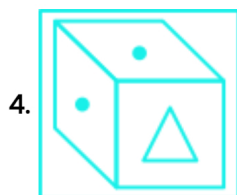
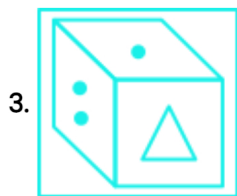
**Q:3** Which of the following is the exact mirror image of the figure when the mirror is held on the right side?



**Q:4** Select the correct mirror image of the given figure when a mirror is placed on the right side of the figure.



1. 
2. 

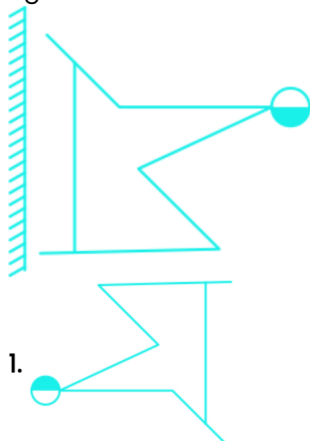


**Q:5** Select the dice that cannot be formed by folding the given sheet along the lines.

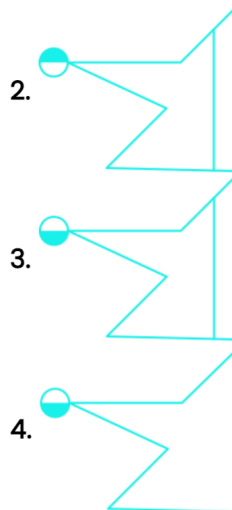


1. Only A and C
2. Only A and B
3. Only B and C
4. Only C and D

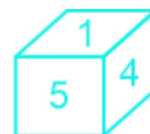
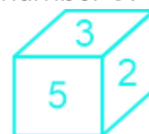
**Q:6** Select the correct mirror image of the given figure when the mirror is placed to the left of the figure.



1.



**Q:7** Three different positions of a dice are shown below. Which number appears on the face opposite the number 6?



1. 5
2. 4
3. 3
4. 1

**Q:8** Three different positions of the same dice are shown, which number will be on the face opposite to the face having the number '6'?



1. 4
2. 3
3. 5
4. 1

**Q:9** Identify the mirror image of the following figure when the mirror is placed to the right of the figure.





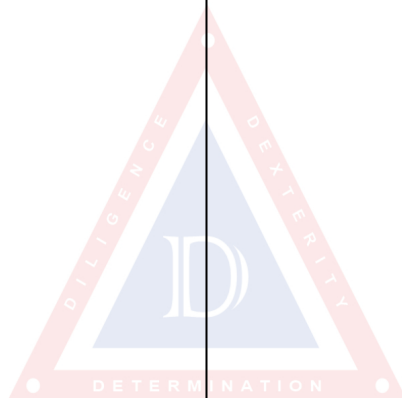
Date : 31st Dec 2023

Logical Reasoning - Mirror+Cube & Dice

English

2. P I C T O G R A P H  
3. P I C T O G R A P H  
4. P I C T O G R A P H Y

Q:10 Choose the correct water image of the given figure.



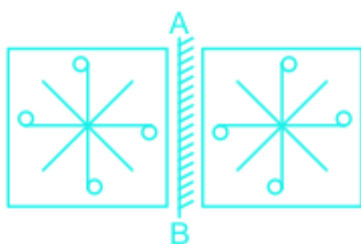
### Answer Key

1. (3)	2. (3)	3. (4)	4. (3)	5. (4)
6. (3)	7. (1)	8. (1)	9. (3)	10. (1)

### Answers and Solutions

**Q:1** The correct answer is **Option 3**

The mirror image of the given figure along the mirror is shown below:



**Note:** Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about the mirror.

That means the left side of the figure will become the right side and vice versa.

Hence, **option 3** is correct.

**Q:2** The correct answer is **Option 3** i.e. **5**

When the cube will be formed by the given sheet, the opposite pairs would be:

5 is opposite to 3.

6 is opposite to 2.

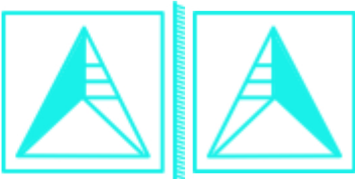
4 is opposite to 1.

So, **5** dots lie opposite to the face having three dots, when the given figure is folded to form a cube.

Hence, the correct answer is **5**.

**Q:3** The correct answer is **Option 4**

The mirror image of the given figure along the mirror is shown below:



**Note:** Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about the

mirror.

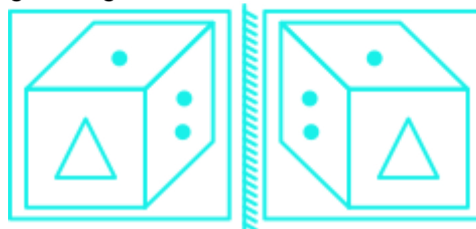
That means the left side of the figure will become the right side and vice versa.

Hence, **option 4** is correct.

**Q:4** The correct answer is **Option 3** i.e.



Only option 3 is the correct mirror image of the given figure.



Hence, the correct answer is **option 3**.

**Q:5** The correct answer is **Option 4** i.e. **Only C and D**

When the unfolded dice are folded, the faces opposite to each other are:

7 is opposite to 9

6 is opposite to 4

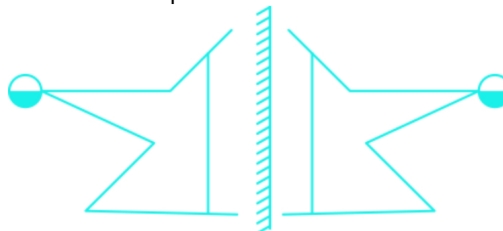
5 is opposite to 8

The dice C and D cannot be formed when the given sheet is folded because the opposite faces appear together in these dice.

Hence, the correct answer is **Only C and D**.

**Q:6** The correct answer is **Option 3**

The correct mirror image of the given figure when the mirror is placed to the left is as follows:



Hence, **option 3** is the correct answer.



**Q:7** The correct answer is **Option 1** i.e. **5**.

In this case, we take 2 dice in which a number is common and write the digits accordingly. Here, we take 1st and last dice.

If we move dice in the clockwise direction:

Dice 1: 4 → 6 → 3

Dice 2: 4 → 5 → 1

So, 6 is opposite to 5.

Hence, **5** is the correct answer.

**Q:8** The correct answer is **Option 1** i.e. **4**

On comparing all three positions we get the opposite sides;

6 is opposite to 4.

3 is opposite to 1.

5 is opposite to 2.

So, the number on the opposite side of the number '6' is '4.'

Hence, the correct answer is **4**.

**Q:9** The correct answer is **Option 3** i.e.

**PICTOGRAPH**

If mirror is placed to the right of the figure.

**HƆAЯƎOTƆIƆ PICTOGRAPH**

Hence, **option 3** is the correct answer.

**Q:10** The correct answer is **Option 1**

The water image of the question figure is shown below:



Since the mirror (that is, water in this case) is placed below the question figure, hence the left and right sides of the figure will remain the same and the image will get vertically inverted, i.e. the upper side of the figure will become the lower side and vice versa.

Hence, the correct answer is **option 1**.