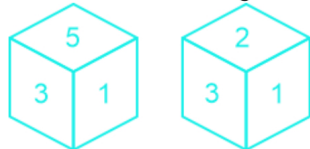


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Logical Reasoning – Dice

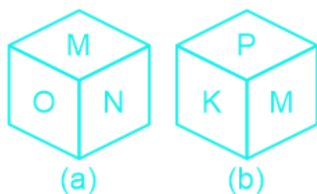
English

**Q:1** The different position of the same dice is shown, then of which are numbered from 1 to 6. Select the number that will be on the face opposite to the one showing 5.



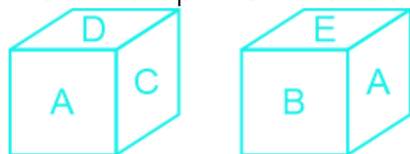
1. 1
2. 2
3. 5
4. 6

**Q:2** Two different positions of the same dice are shown, the faces of which are marked with digits K, L, M, N, O and P. Select the letter that will be on the face opposite to the face having the digit 'P'.



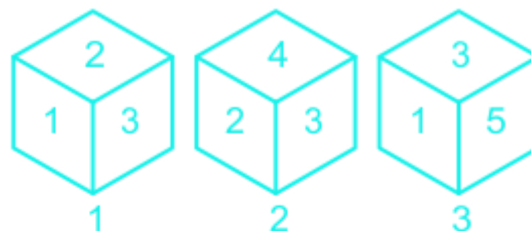
1. K
2. O
3. L
4. N

**Q:3** Two positions of a dice are given below. When A is on the top which letter is at the bottom?



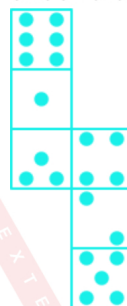
1. F
2. B
3. C
4. E

**Q:4** A dice is thrown three times and its three different positions are given below. Find the number on the face opposite to the face showing 3.



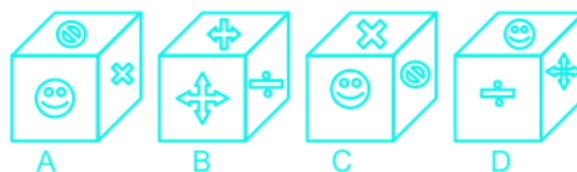
1. 1
2. 4
3. 5
4. 6

**Q:5** Select the correct pair of opposite numbers that can be formed by folding the given sheet along the lines to make dice.



1. (2, 6)
2. (1, 5)
3. (4, 3)
4. (3, 6)

**Q:6** Select the dice that can be formed by folding the given sheet along the lines.



1. All correct



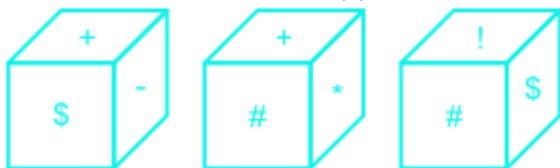
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English

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

**Q:7** Three positions of the same dice are shown below. Which side will be opposite to '\$'?



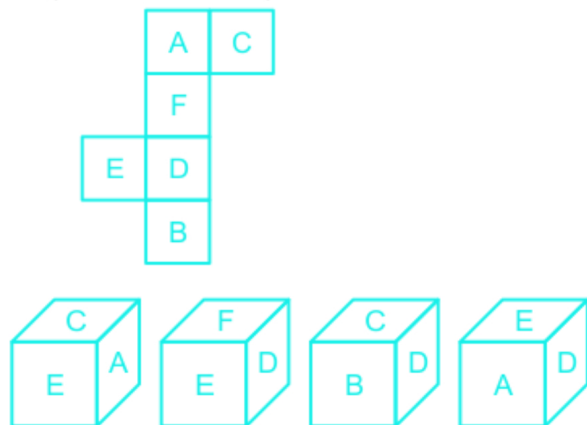
1. #
2. +
3. -
4. \*

**Q:8** In the following figure, find the element which will be opposite to '&'?



1. @
2. \*
3. %
4. #

**Q:9** Select the dice that can be formed by folding the given sheet along the lines.



- (A) (B) (C) (D)
1. Only A and B
  2. Only B and D
  3. Only A, B, and D
  4. Only B and C

**Q:10** Two positions of the same dice, having face numbered as 1, 5, 6, 7, 8, 9, are given. What will be the product of number opposite to both '7' and '6'?



1. 56
2. 40
3. 30
4. 65

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Logical Reasoning – Dice

English

### Answer Key

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

### Answers and Solutions

**Q:1** The correct answer is **Option 2** i.e. **2**.

In dice 3 and 1 is common. So, the remaining faces will be opposite to each other.

So, 2 is opposite to 5.

Hence, **2** is the correct answer.

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

In this question first, consider the common digit in both dice.

Here, the digit 'M' is common.

In a clockwise direction, the sequence will be (M, N, and O) in dice (a).

In a clockwise direction, the sequence will be (M, K, and P) in dice (b).

**Clearly, O will appear opposite to P.**

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

**Q:3** The correct answer is **Option 1** i.e. **F**

The opposite faces of the given dice are as below:

B is opposite D

E is opposite C

F is opposite A

If A is at the top of the dice, then F will be at the bottom.

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

**Q:4** The correct answer is **Option 4** i.e. **6**

From the given figure;

3 is adjacent to 1, 2, 5, and 4.

⇒ 3 is opposite to 6.

Hence, **6** is the correct answer.

**Q:5** The correct answer is **Option 4** i.e. **(3, 6)**

When the cube would be formed by the given sheet, the faces opposite to each other are:

- 1 is opposite to 2
- 4 is opposite to 5
- 3 is opposite to 6

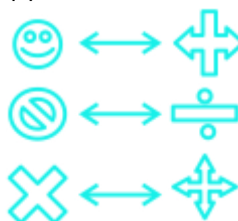
So, the correct pairs are (1, 2), (4, 5), (3, 6)

In this way, only option 4 has the correct opposite pair.

Hence, **(3, 6)** is the correct answer.

**Q:6** The correct answer is **Option 1** i.e. **All correct**.

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



So, all the given figures are possible.

Thus figures A, B, C, and D are similar to the box formed from the given sheet of paper.

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

**Q:7** The correct answer is **Option 4** i.e. **\***



It is evident that sides '+', '-', '#', and '!' are adjacent to the side '\$'.

Hence, **\*** is the opposite of '\$'.

**Q:8** The correct answer is **Option 2** i.e. **\***

In an open dice, the alternate elements are always opposite to each other.

The arrows show the opposite pair of elements.



Thus, the element opposite to '&' will be: **\***

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

**Q:9** The correct answer is **Option 4** i.e. **Only B and C**.



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Logical Reasoning – Dice

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

- A is opposite to D
- F is opposite to B
- C is opposite to E

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

**Only dice B and C can be formed by folding the sheet.**

Hence, **only B and C** is the correct answer.

**Q:10** The correct answer is **Option 2** i.e. **40**

According to the cube, '7' must be opposite to '8', and '1' must be opposite to '9'.

The only remaining number is '5', which must be opposite to '6'.

So, the product is 40 ( $8 \times 5$ ).

Hence, **40** is the correct answer.

