Instructions
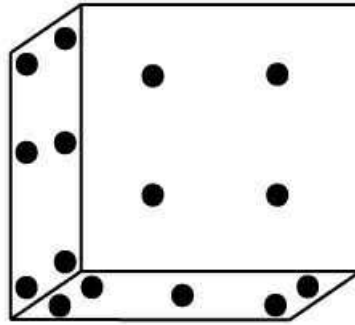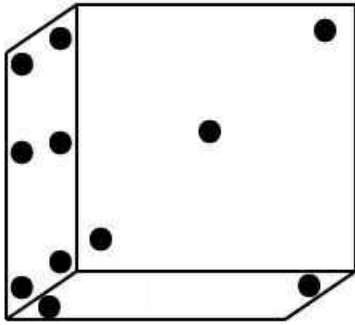
For the following questions answer them individually

Question 1

Identify the number at the bottom when the top is 5 in a dice.

A 2

B 3

C 4

D 6

Answer: A

Explanation:
From the both positions of dice, it is clear that-
No. 6 has 2,3,4,5 as its adjacent faces.
Hence, 1 is opposite to 6.
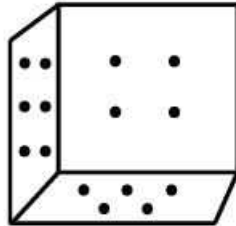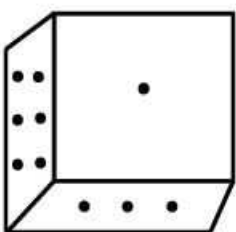Rotating the first dice along face containing No. 6, we get Second position of dice.
Hence, 4 is opposite to 3 and 2 is opposite to 5.
Hence, When 5 is at the top, 2 is at the bottom.
Therefore, Option A is correct.

Question 2

Two positions of a dice are shown below. When three is at the top what number will be at the bottom ?
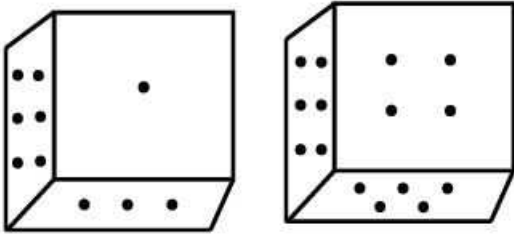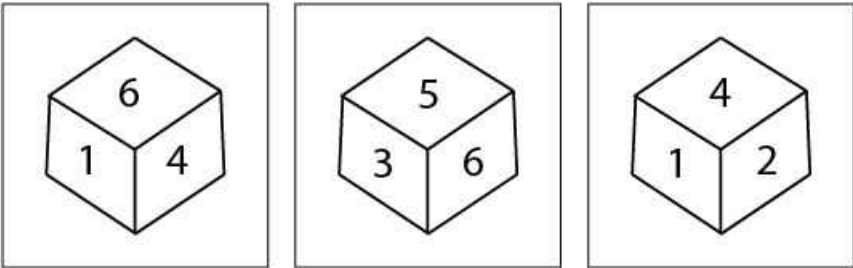

A 2

B 1

C 4

D 5

Answer: D

Explanation:

From the 2 positions of dice it is clear that,
No. 6 has its adjacent as no. 1,3,4,5.
Hence, No. 2 is opposite to No. 6.
Rotate the dice from 1st position along face having No. 6 twice,
We get second position.
Hence No. 1 is opposite to No. 4.
Therefore No. 3 must be opposite to No. 5.
Hence, when No. 3 is at the top No. 5 will be at the bottom.
Therefore, Option D is correct.

Question 3

Three positions of a dice are given. Find out which number is found opposite the number 2 in the given cube.
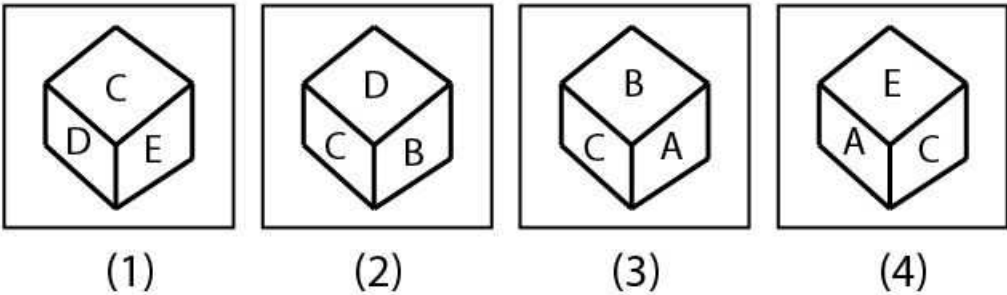

A 6

B 5

C 3

D 1

Answer: A

Explanation:
From the images 1 & 3 , the number that is opposite to 2 must be 6.

Question 4

Four positions of dice are given below. Which letter will be opposite to D ?
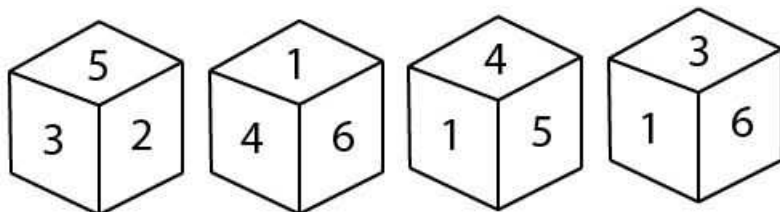

A B

B C

C D

D A

    Answer: D

Explanation:
From figures 1 & 2 , it is clear that C, E,B cannot be opposite to D as they are adjacent.
Hence, A is opposite to D.

Question 5

Four positions of a dice are given below. Identify the number at the bottom when top is 1.
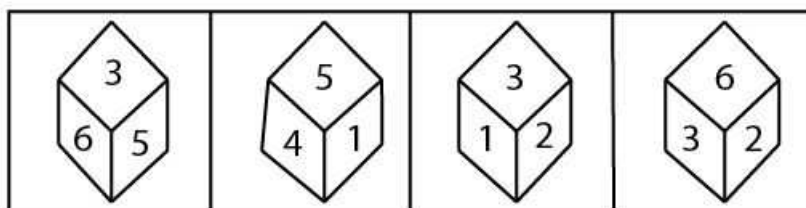

A 6

B 3

C 2

D 5

    Answer: C

Explanation:
From the first , 3rd & 4th images , clearly 3 , 6 ,2 are adjacent.
Hence, when 1 is on the top , 2 must be on the bottom.

Question 6

Four positions of a dice are given below. Identify the number at the bottom when the number on the top is 2.

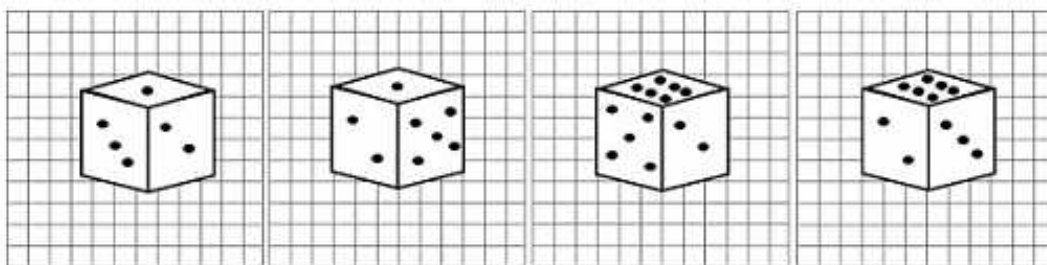**A** 6

B 3

C 4

D 5

    Answer: D

Explanation:
From 1st, 3rd and 4th pictures, clearly , 2,3,5 are adjacent.
Hence, 5 is the answer.

Question 7

Four different views of a cube/dice are given as viewed from different angles. Find out the number of dots on the face opposite to the face with one dot.

A   6

B   5

C   4

D   3

   Answer: A

Explanation:

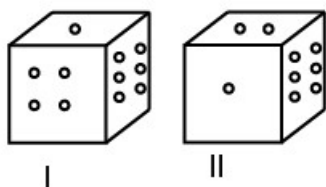From the first two figures, we find that the side with 1 dot has adjacent sides having '2,3,5' dots.

Also, from the last two figures, the side with 6 dots has the same adjacent sides.

Thus, umber of dots on the face opposite to the face with one dot = 6

=> Ans - (A)

Question 8

In the diagrams below, faces of dice are shown from two different directions. Which number will be opposite to 4 ?

A   2

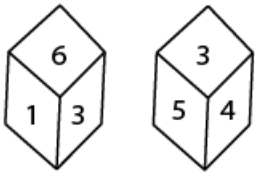B   3

C   1

D   5

   Answer: A

Explanation:

It is clear from the two views of the same dice that from first figure to second figure, the dice has been rotated downward. Therefore, the number 2 lies opposite the number 4.

=> Ans - (A)

Question 9

TWO positions of the same dice are given. Which number will be at the bottom if '4' is at the top?
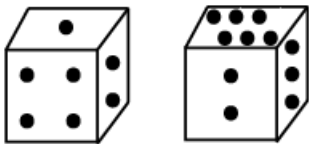

A   3

B   2

C   6

D   1

Answer: D

Explanation:

The numbers 1, 6, 4 and 5 are on the adjacent faces of number 3.

Therefore, the number 2 lies opposite to 3

∴ The number 1 is opposite of 4.

Question 10

Two positions of a dice are shown below. When there are five dots at the top, how many dots will be at the bottom?

A   2

B   6

C   1

D   3

Answer: A

Explanation:

2 is common in both the arrangements given to us,

every face of a dice is surrounded by 4 other sides, the only side that does not surround a face is the one opposite to it.

the faces surrounding 2 are - 1,6,4,3

so clearly 5 is opposite to 2 and hence when 5 dots are at the top, 2 will be in the bottom.

therefore answer is option A- 2