



DICE

 *Mahendra's*

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ABOUT DICE

Dice is a cube. It has six faces like top , bottom , front , back , left and right
पासा एक घन है। इसके ऊपर, नीचे, सामने, पीछे, बाएं और दाएं जैसे छह सतह होते हैं

OR

A dice is a three dimensional figure with 6 surfaces. It may be in form of a cube or a cuboid. After observing these figure, we have to find the opposite side of the dice.

एक पासा 6 सतहों के साथ एक तीन आयामी आंकड़ा है। यह एक घन या घनाभ के रूप में हो सकता है। इन आंकड़ों को देखने के बाद, हमें पासा के विपरीत पक्ष को खोजना होगा।

TOP FACE



GEDC **opposite**

BOTTOM FACE



FABH

FRONT FACE



FAGE **opposite**

BACK FACE



HBCD

LEFT FACE

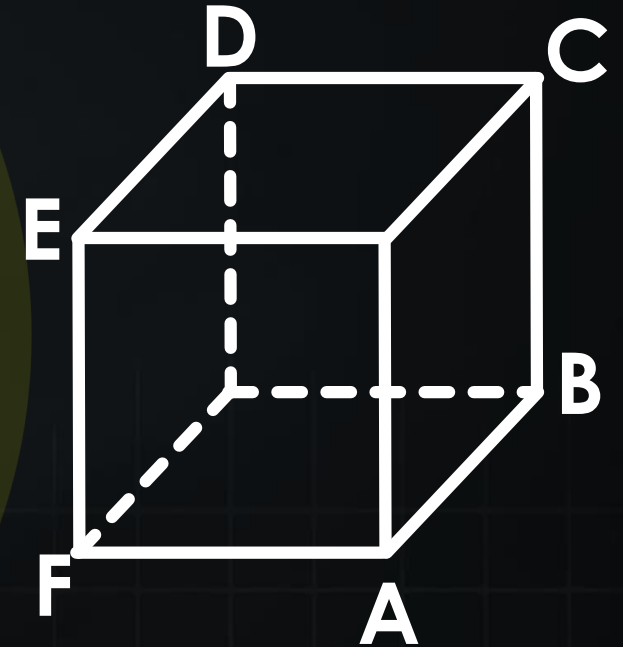


ABCG **opposite**

RIGHT FACE



FHDE



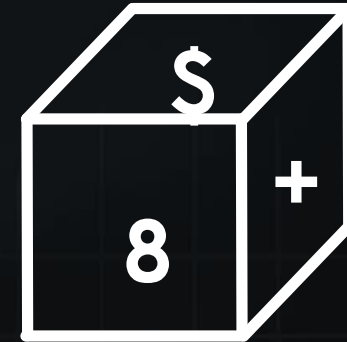
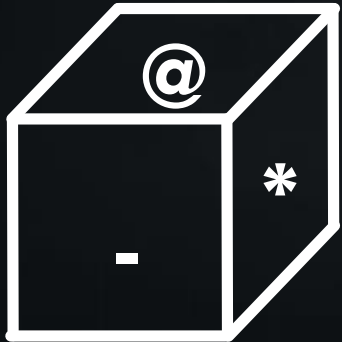
Type of Dice

(1) STANDARD DICE : Only numbers are used here i.e. 1,2,3,4,5,6 and one more important property is opposite faces sum is 7, for example $1+6=7$ means 1 is opposite to 6 and so on .



Type of Dice

(2) NON STANDARD DICE : Here numbers, letters and symbols can be used.



OPPOSITE FACES

(1) in this case:

1 lies opposite 5

2 lies opposite 4

3 lies opposite 6.



(2) in this case:

1 lies opposite 6

2 lies opposite 4

3 lies opposite 5.



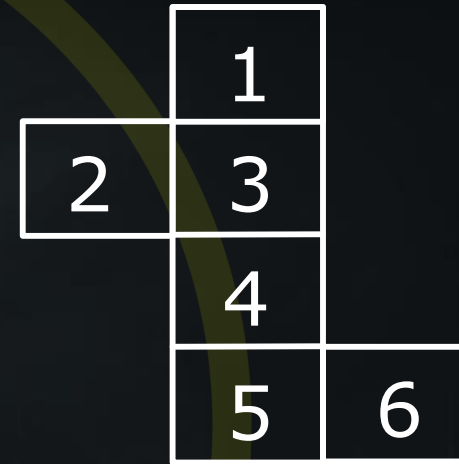
OPPOSITE FACES

(3) in this case:

1 lies opposite 4

2 lies opposite 6

3 lies opposite 5.

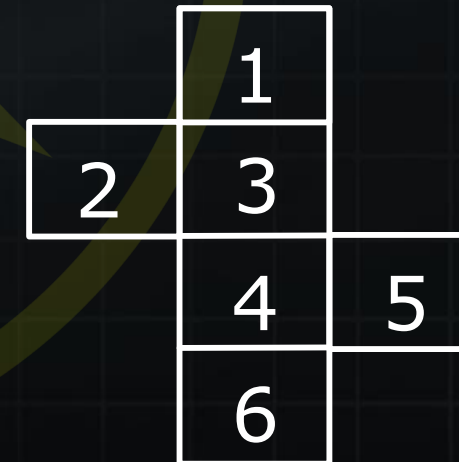


(4) in this case:

1 lies opposite 4

2 lies opposite 5

3 lies opposite 6.



OPPOSITE FACES

(5) in this case:

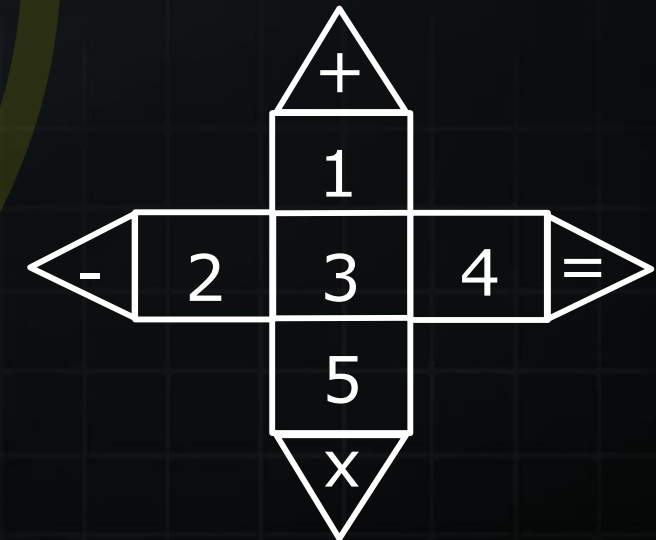
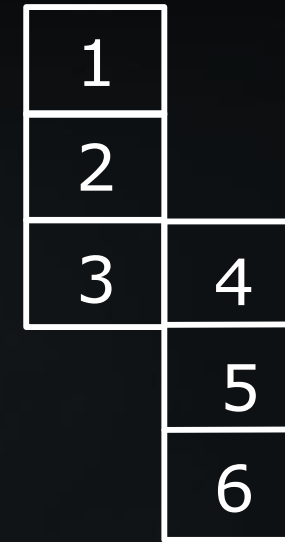
- 1 lies opposite 3
- 2 lies opposite 5
- 4 lies opposite 6.

(6) in this case:



Will be the one of the faces of the cube and it lies opposite 3

- 2 lies opposite 4
- 1 lies opposite 5.



Rules for Dice

- Two opposite face can not be adjacent to one another.



Rules for Dice

- If in two different positions of dice, the position of a common face be the same, then each of the opposite faces of the remaining faces will be in the same position.



Rules for Dice

- If in two different positions of a dice, the position of the common face be not the same, then opposite face of the common face will be that which is not shown on any face in these two positions.



Rules for Dice

- If two different positions of a dice are shown and one of the two common face is in the same position then of the remaining face will be opposite to each other.



EXAMPLE

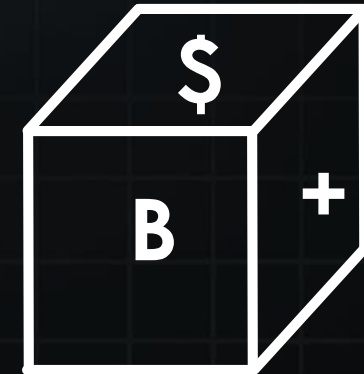
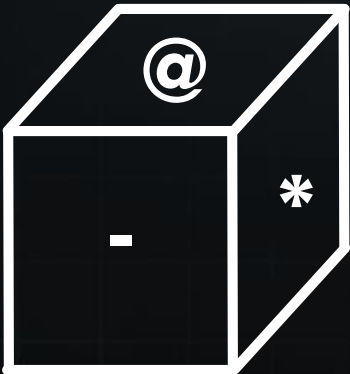
Q.1: Which symbol will be on the face opposite to the face with symbol * ?

(A) @

(B) \$

(C) +

(D) B



EXAMPLE

Q.2: Two positions of dice are shown below. How many points will appear on the opposite to the face containing 5 points?

(A) 3

(B) 2

(C) 1

(D) 4



EXAMPLE

Q.4: How many points will be on the face opposite to in face which contains 2 points?

(A) 1

(B) 5

(C) 6

(D) 4/6

