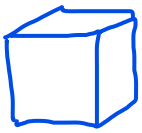
DICE



Standard

(Sum of opposite Face = 7)

1 + 6 = 7 (1 → 6)

2 + 5 = 7 (2 → 5)

3 + 4 = 7 (3 → 4)

Sum of adjacent Face ≠ 7

General

(Sum of opposite Face ≠ 7)

Sum of adjacent = 7

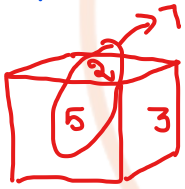
1 - 2/5/6

4 - 2/5/6

3 - 2/5/6

Types of question based on general dice:

1. Single position



opposite Face of,

5 → 1/4/6

2 → 1/4/6

3 → 1/4/6

2. Two position: (No common)

No common value

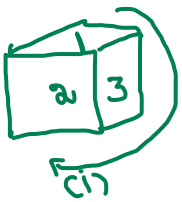
(i)

(ii)

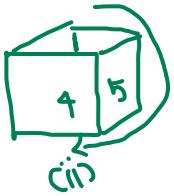
1 → 2/5/3 4 → 2/5/3 6 - 2/5/3

2 → 1/6/4 5 → 1/6/4 3 - 1/6 - 4

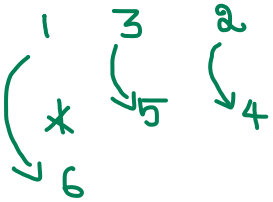
3. Two position: (one common)



(i)



(ii)

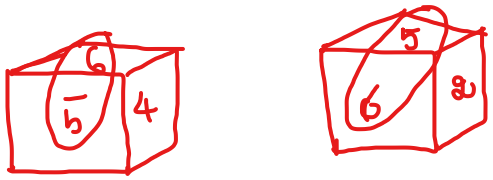


1 → 6

3 → 5

2 → 4

4. Two position (Two common)



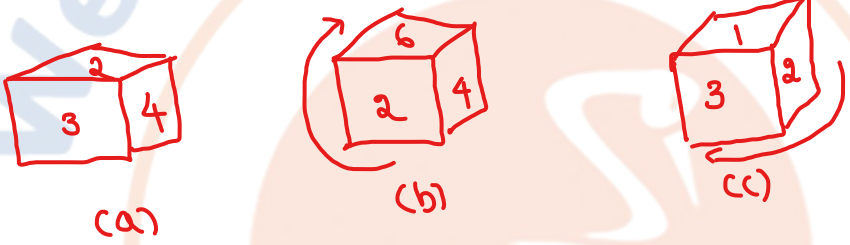
common - 6, 5

opposite = 4 → 2

6 → 1/3

5 → 1/3

5. 3 or more position:



(a) (b) (c)

opposite 1 → 4

2 → 5

3 → 6

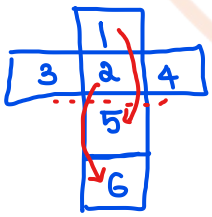
(b) (c)

2 6 4

5 3 1

UNFOLDED DICE:

(i)

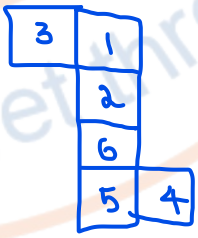


3 → 4

2 → 6

1 → 5

(ii)

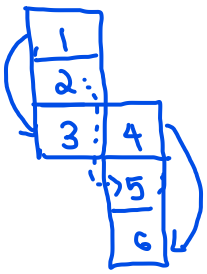


3 → 4

1 → 6

2 → 5

(iii)



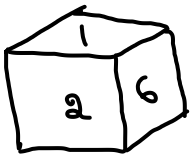
1 → 3

4 → 6

2 → 5

Exercise:

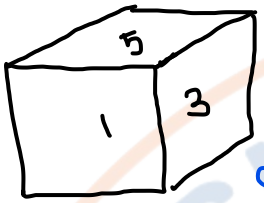
1.



General
=7

2 → 3/4/5

2.



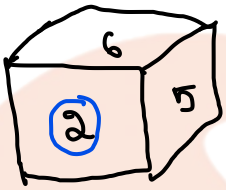
1 → 6

(standard)

≠7

3.

(i)



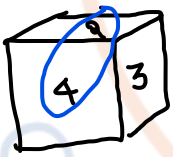
(ii)

2 → 4

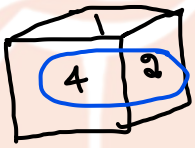
2 1 3

4 ~~2~~ 6 5

4.



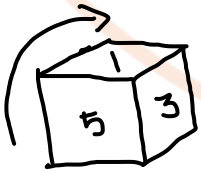
(i)

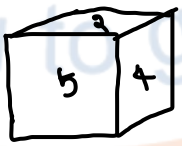


(ii)

1 → 3

5.





4 → 3

5 1 3

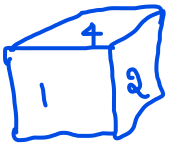
5 2 4

6.

(a) 6 4 1

2 ~~8~~ 3 5

(b)



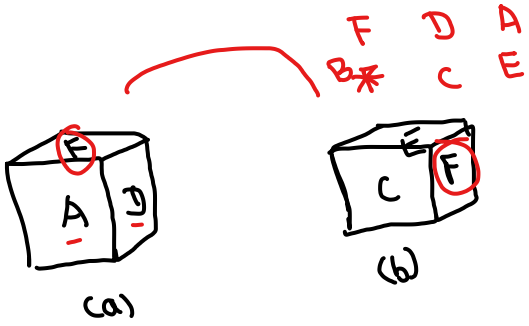
(c)

1 → 5

2 → 6

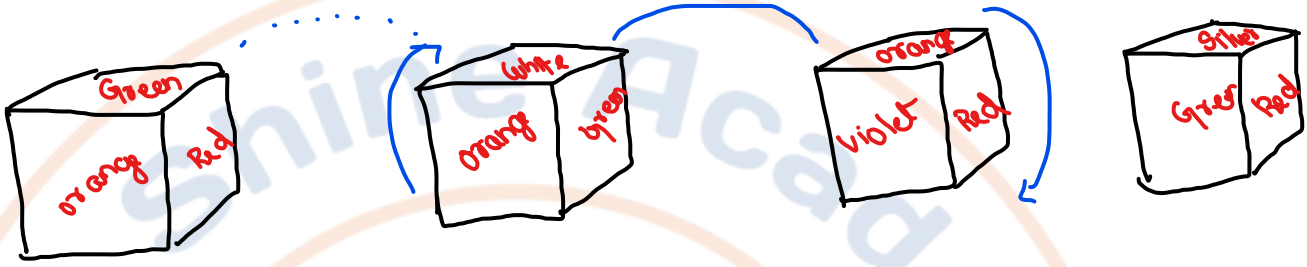
3 → 4

7.



A → E
B → F
C → D

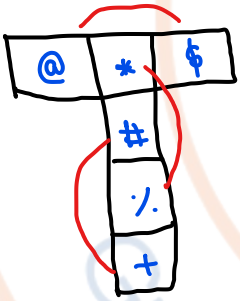
8.



O → Silver
G → Violet
R → White

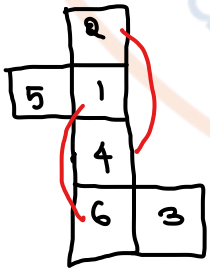
O W G
S R V

9.



@ - $
* - %
# - +

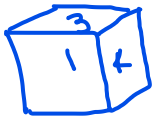
10.



(a) ✗


(b) ✗


(c) ✗


(d) ✓


5 → 3
2 → 4
1 → 6