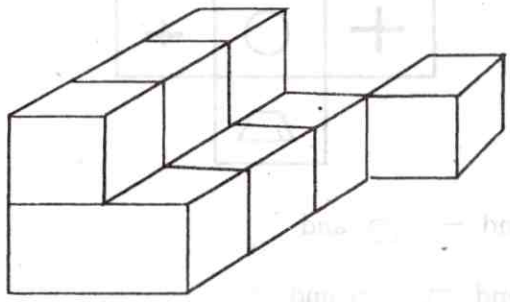
CHAPTER - XXIII

SPATIAL VISUALISATION

1. **The number of cubes unseen in the figure are :**



(1) 9 (2) 6 (3) 3 (4) 2 (5) 1

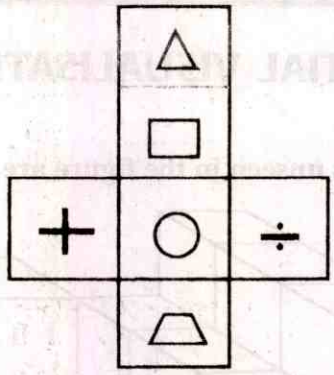
2. **Two positions of a dice are shown. Find the number opposite to "one".**

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

3. **The positions of a dice are as shown in the figure. When five is at the bottom, which number will be at the top?**

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

4. **If a paper is folded as shown in the figure to form a cube, then the pairs of opposite faces are :**



(1) △ and ○ ; + and ÷ ; ⏢ and □

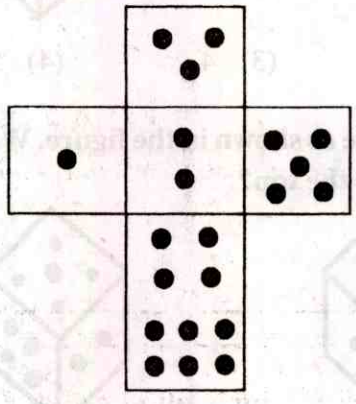
(2) + and ÷ ; △ and ⏢ ; □ and ○

(3) + and ○ ; ÷ and □ ; △ and ⏢

(4) and + ; ⏢ and + ; △ and ○

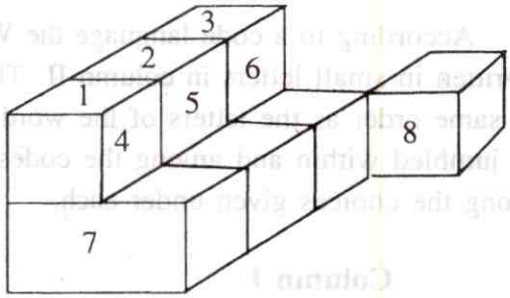
(5) + and △ ; ÷ and ⏢ ; ○ and □

5. **A paper is folded as shown in the figure to form a cube. What is the number opposite to "Six"?**



(1) 5 (2) 4 (3) 3 (4) 2 (5) 1

KEY AND HINTS

Q.No.	Key	Hint
1	(4)	 Below 2 and below 3 : (Totally ten blocks are there - two not visible)
2	(2)	The common faces 4 and 6 are observed ∴ 3 will be opposite 1
3	(5)	The common faces 4 and 2 are observed ∴ 5 and 1 will be opposite to each other
4	(1)	The alternate faces before folding will make opposite faces after cube is formed in this type of figure.
5	(4)	When folded a cube is formed, two is the base and six is the top surface.