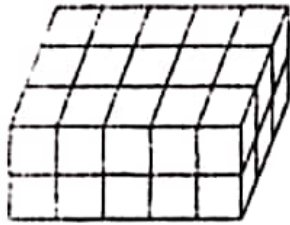
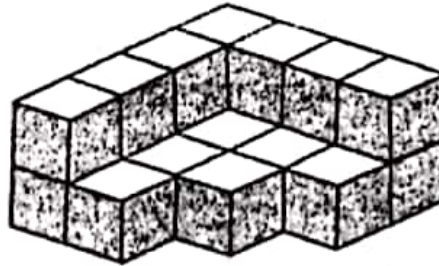


Question 1.

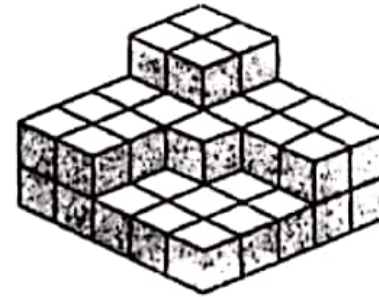
Count the number of cubes in the following structures:



(i)



(ii)



(iii)

Solution:

Number of cubes in the given structure have been given below:

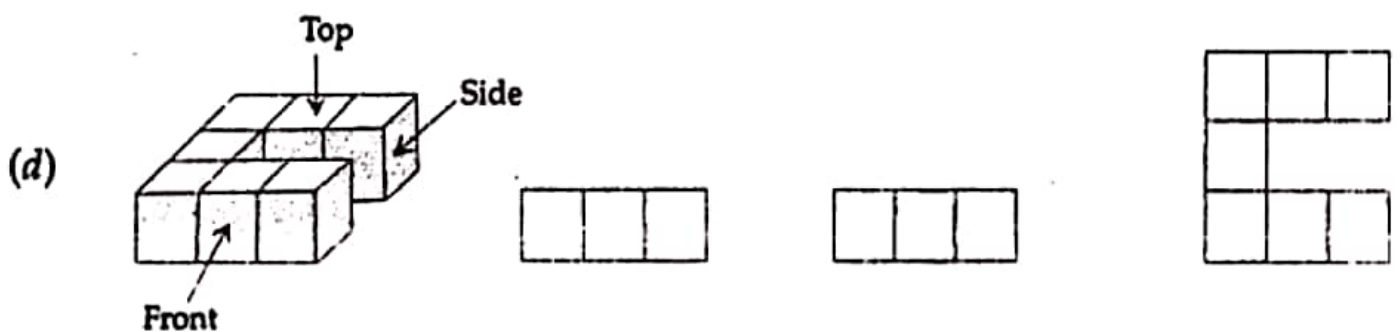
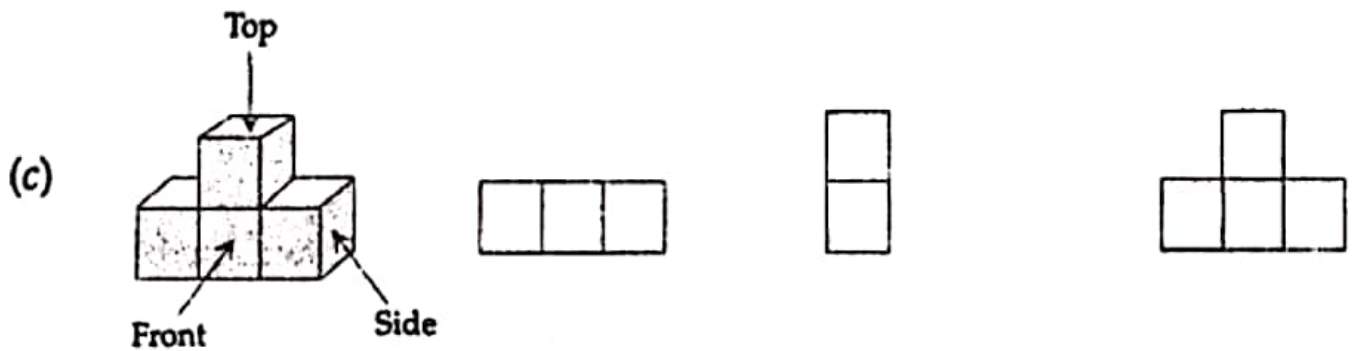
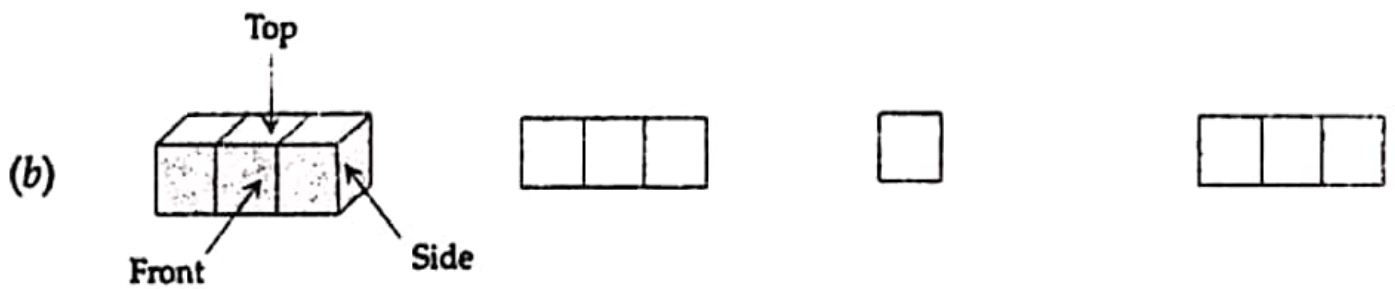
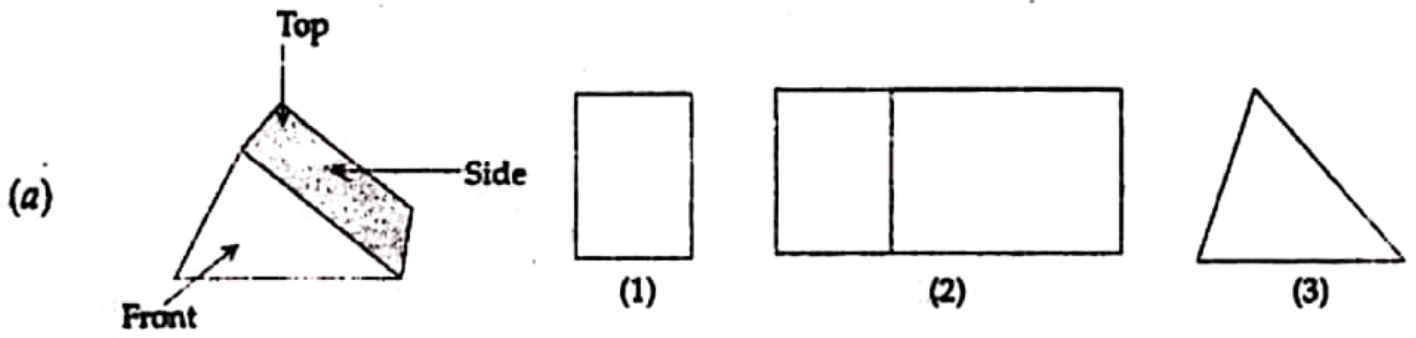
$$(i) 5 \times 3 \times 2 = 30$$

$$(ii) 7 \times 2 + 6 = 14 + 6 = 20$$

$$(iii) 5 \times 5 + 17 + 4 = 25 + 17 + 4 = 46$$

### Question 3.

For each solid given below, the three views (1), (2) and (3) are given. Identify for each solid the corresponding top, front and side views:



Solution:

(a) (1) Side (2) Top (3) Front

(b) (1) Front (Top) (2) Side (3) Top (Front)

(c) (1) Top (2) Side (3) Front

(d) (1) Front (Side) (2) Side (Front) (3) Top

(e) (1) Top (2) Side (3) Front