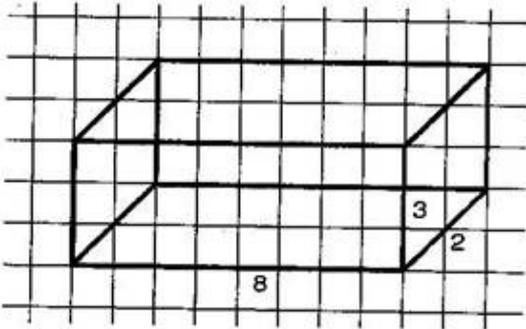
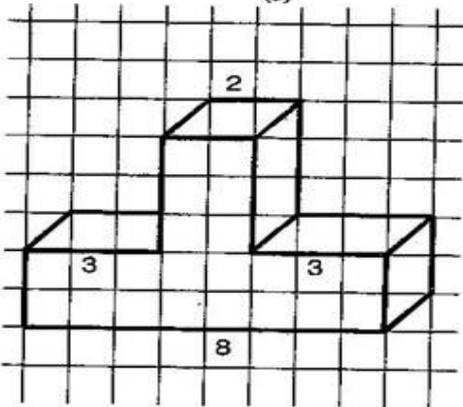


**CBSE Class –VII Mathematics**  
**NCERT Solutions**  
**Chapter 15 Visualising Solid Shapes (Ex. 15.2)**

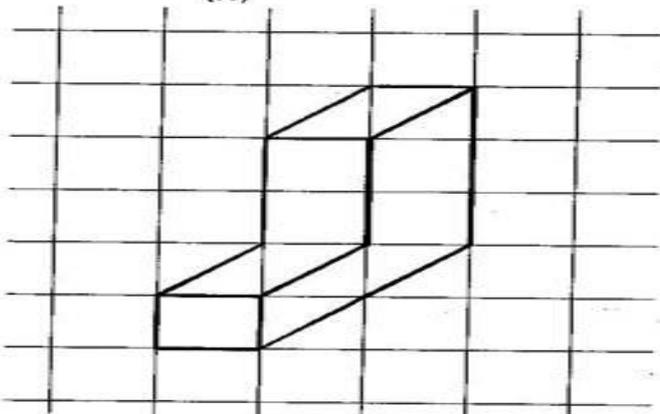
**Question 1.** Use isometric dot paper and make an isometric sketch for each one of the given shapes:



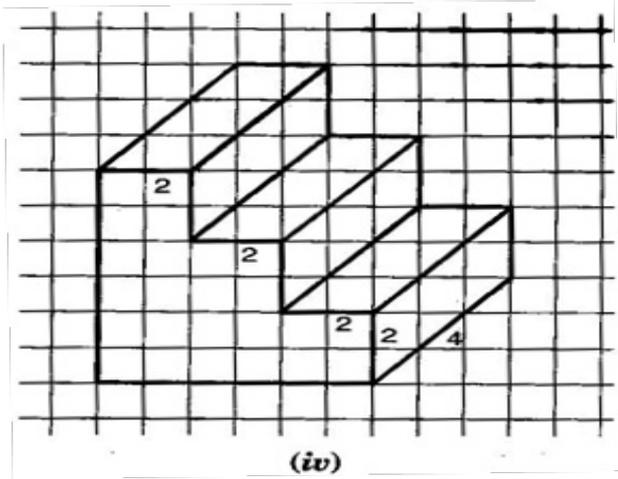
(i)



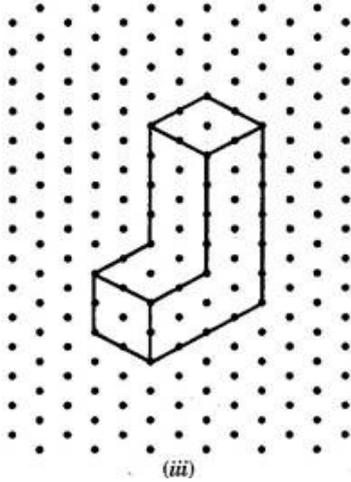
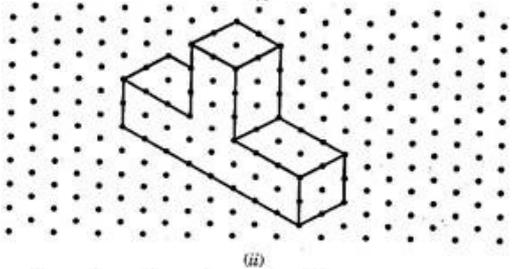
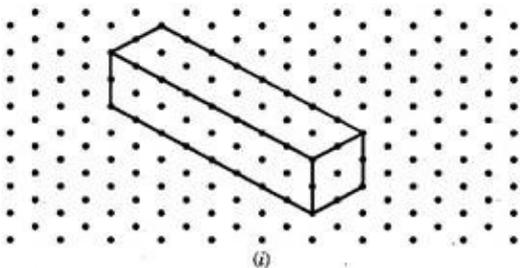
(ii)

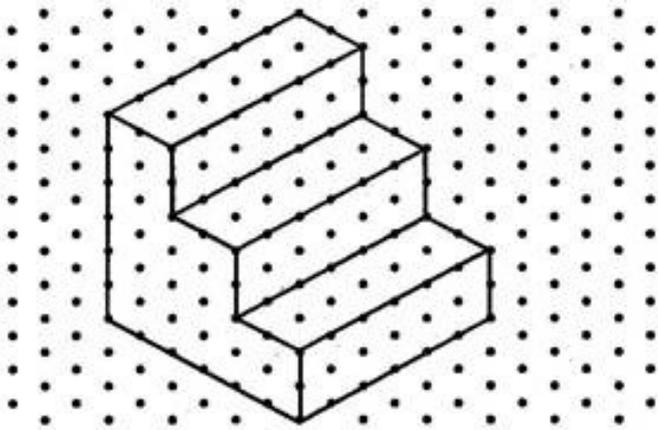


(iii)



Answer:

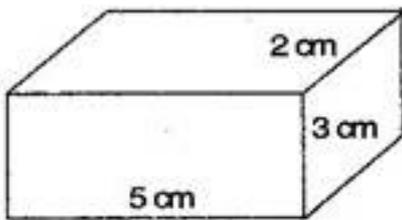




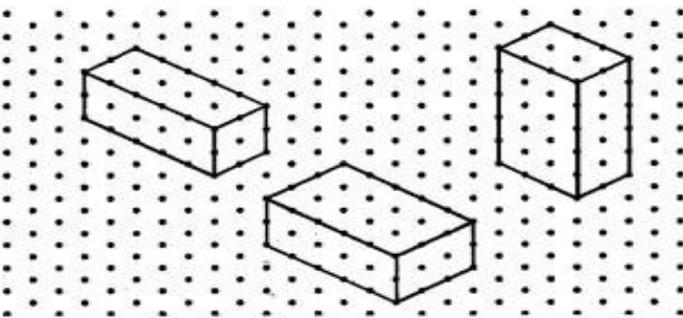
(iv)

**Question 2.** The dimensions of a cuboid are 5 cm, 3 cm and 2 cm. Draw three different isometric sketches of this cuboid.

**Answers :** The dimensions of given cuboid are 5 cm, 3 cm and 2 cm:

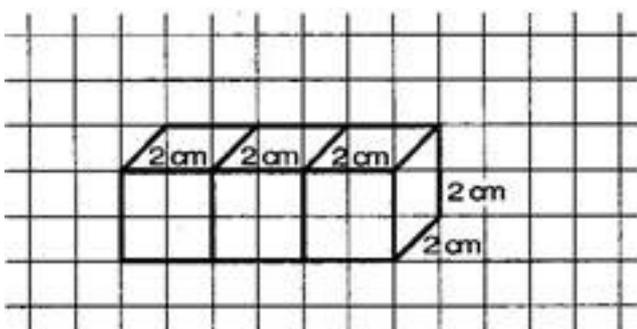


Three different isometric sketches are:

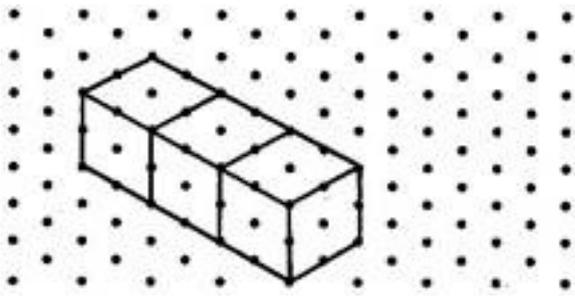


**Question 3.** Three cubes each with 2 cm edge are placed side by side to form a cuboid. Sketch an oblique or isometric sketch of this cuboid.

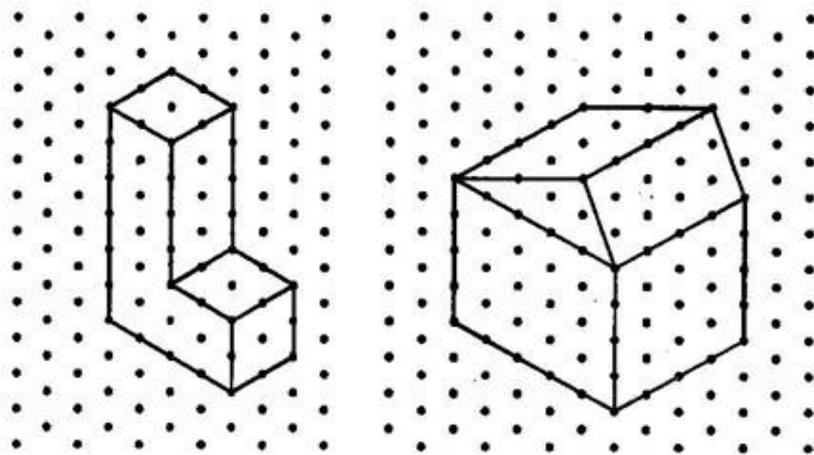
**Answer :** Oblique sketch:



Isometric sketch



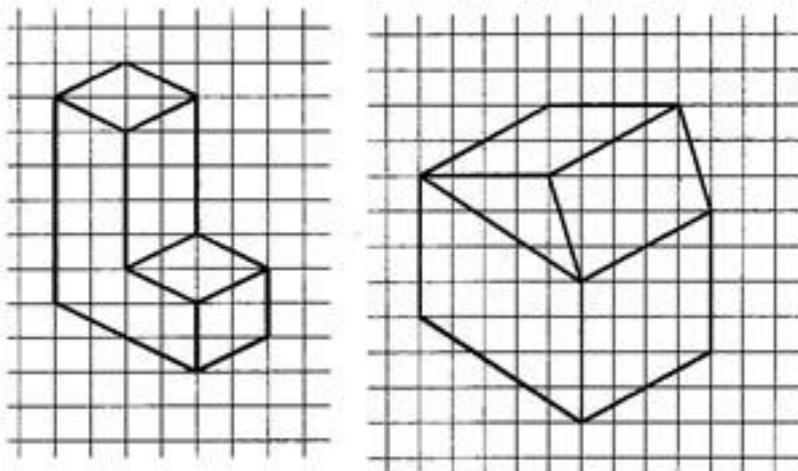
**Question 4.** Make an oblique sketch for each one of the given isometric shapes:



(a)

(b)

**Answers :** Oblique sketches:



(a)

(b)

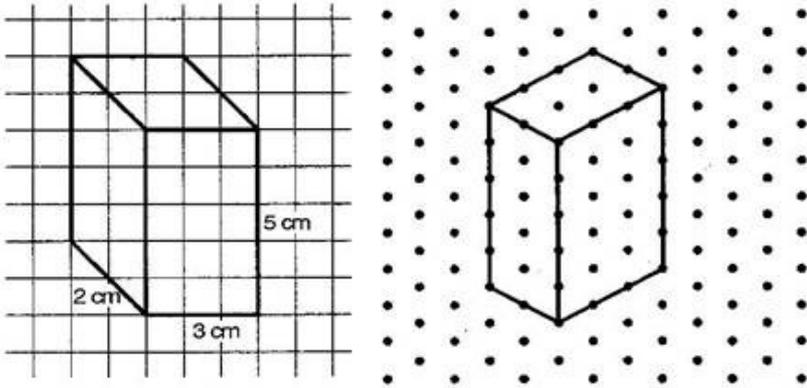
**Questions 5.** Give (i) an oblique sketch and (ii) an isometric sketch for each of the following:

(a) A cuboid of dimensions 5 cm, 3 cm and 2 cm. (Is your sketch unique?)

(b) A cube with an edge 4 cm long.

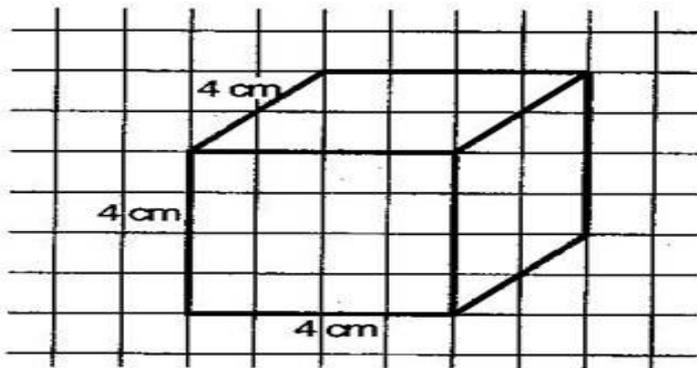
**Answers :** (a) A cuboid of dimension 5 cm, 3 cm and 2 cm.

(i) Oblique sketch (ii) Isometric sketch

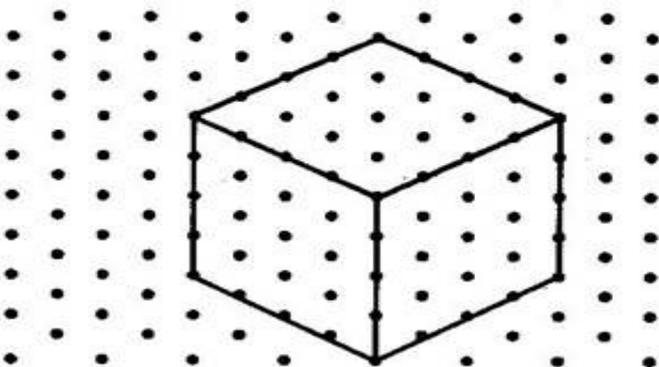


(b) A cube with an edge 4 cm long.

(i) Oblique sketch

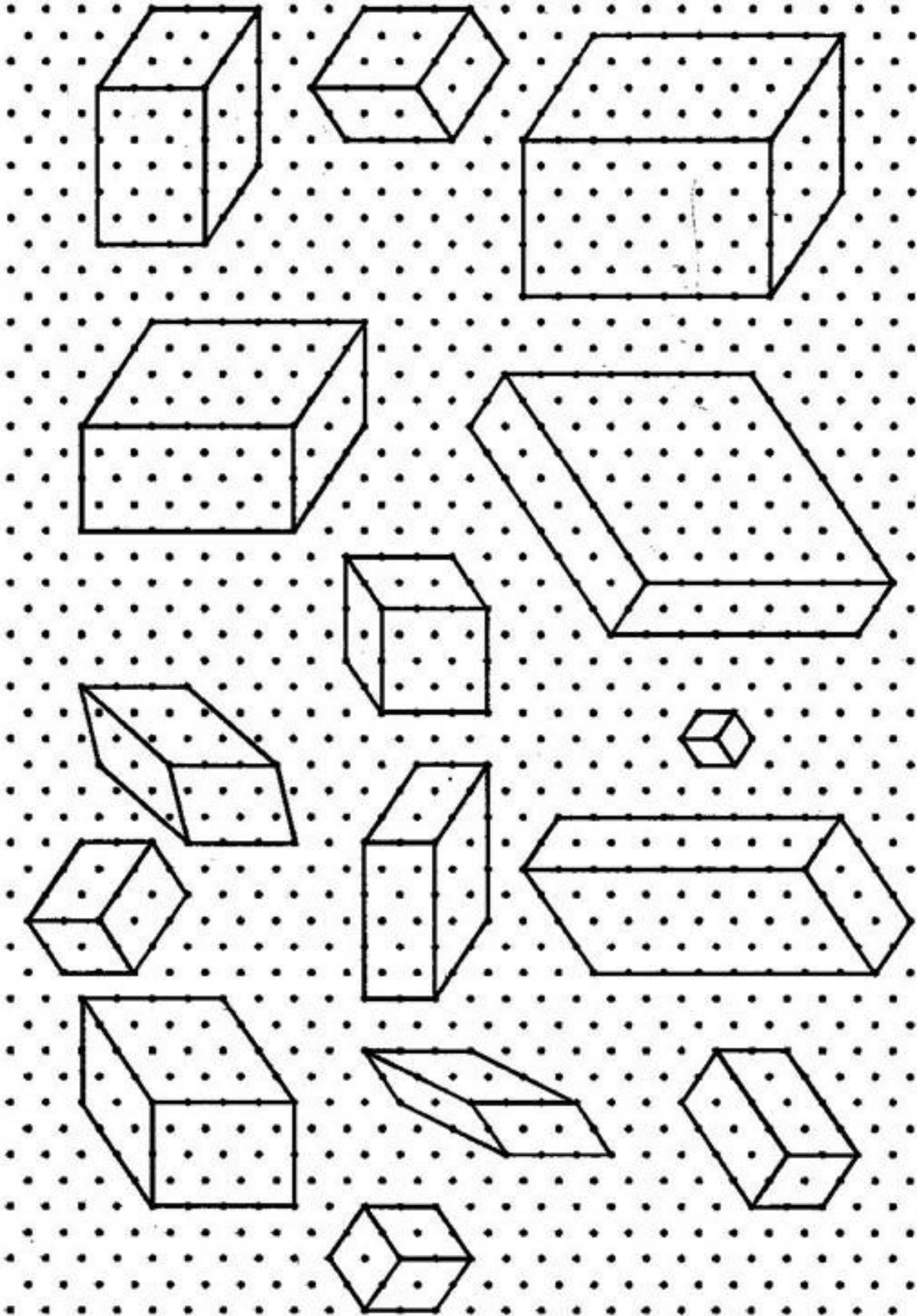


(ii) Isometric sketch



**Question 6.** An isometric sheet is attached at the end of the book. You could try to make on it some cubes or cuboids of dimensions specified by your friend.

**Answer :** Cubes and cuboids shapes on isometric sheet given below:



You can also draw more shapes of cubes and cuboids.