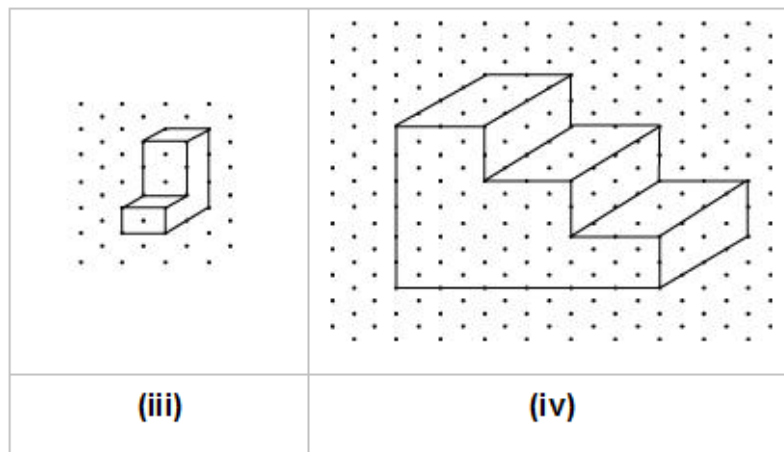NCERT Solutions for Class 7th Maths Chapter 15 Visualising Solid Shapes Exercise 15.2

Q1. Use isometric dot paper and make an isometric sketch for each one of the given shapes:

(i)

(ii)

(iii)

(iv)

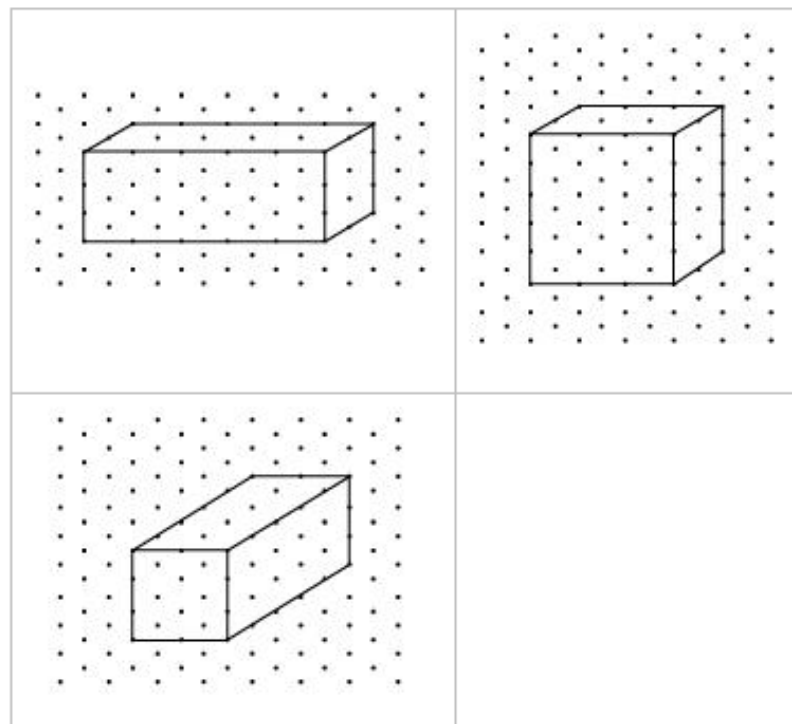**Ans:** The isometric sketch of these figures can be drawn as follows.

(i)

(ii)

(iii)	**(iv)**

Q2. The dimensions of a cuboid are 5 cm, 3 cm and 2 cm. Draw three different isometric sketches of this cuboid.
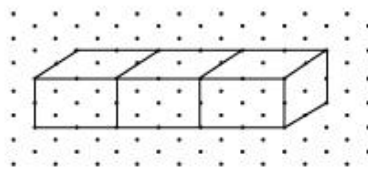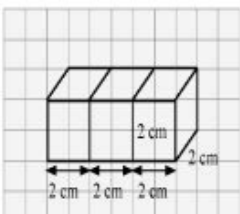
Ans:

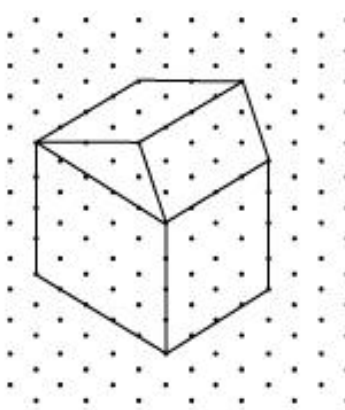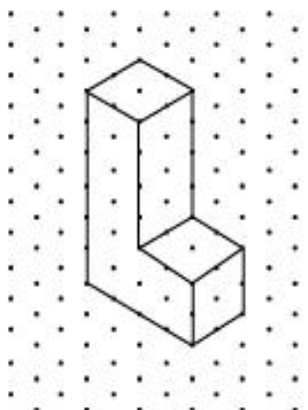3 isometric sketches of the given cuboid can be drawn as follows.

Q3. 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.

Ans:

When three cubes, each of 2 cm edge, are placed side by side, a cuboid with dimensions as 6 cm, 2 cm, and 2 cm will be formed.
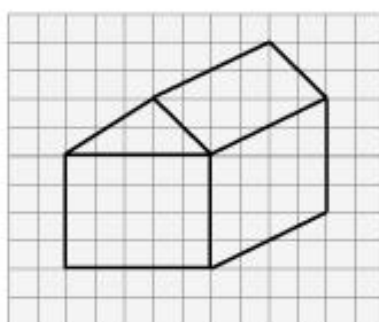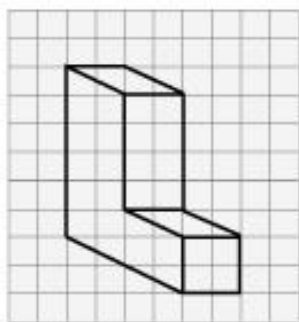
	 2 cm 2 cm 2 cm 2 cm 2 cm
Isometric sketch	Oblique sketch

Q4. Make an oblique sketch for each one of the given isometric shapes:

Ans:

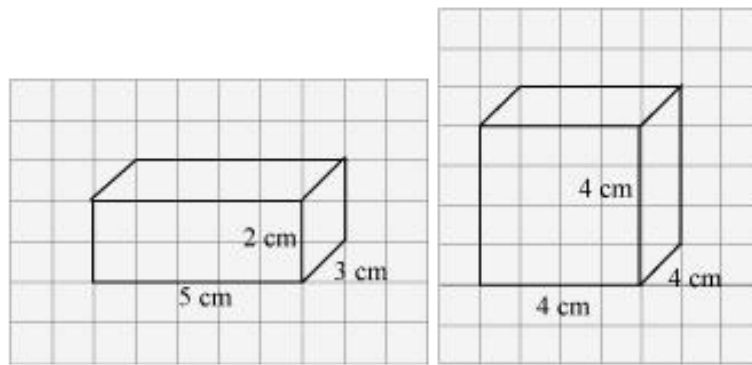The oblique sketch of these figures will be as follows.

Q5. Give (i) an oblique sketch and (ii) an isometric sketch for each of the following:
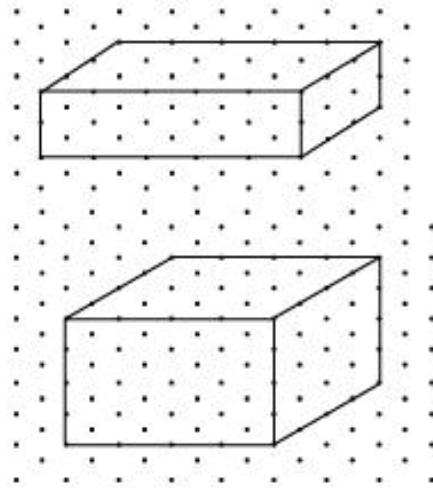(a) A cuboid of dimensions 5 cm, 3 cm and 2 cm.
(Is your sketch unique?)

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

(i) Oblique sketch

(ii) Isometric sketch

The sketch for the cuboid is not unique. The cuboid can also be drawn by taking the length as 3 cm or 2 cm. This will lead to a different view of the same cuboid.

********** END *********