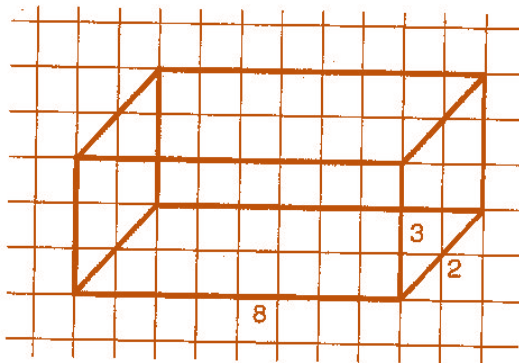# Mathematics

(Chapter – 15) (Visualising Solid Shapes)
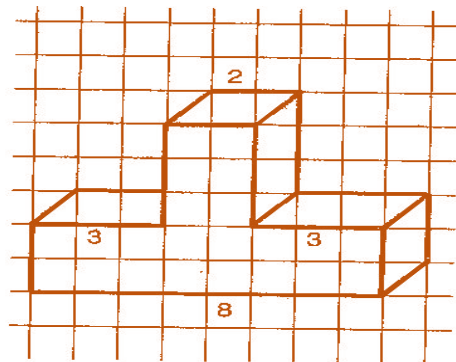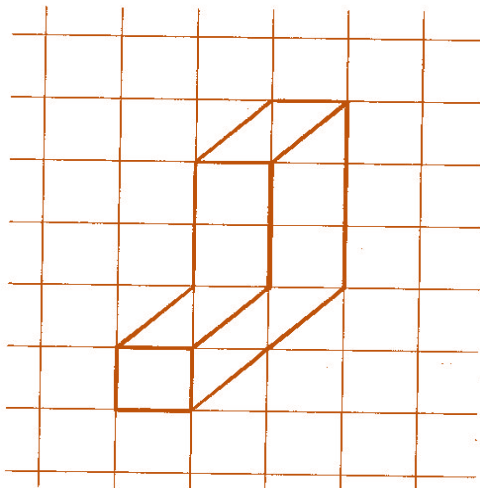### (Class – VII)

Exercise 15.2

Question 1:

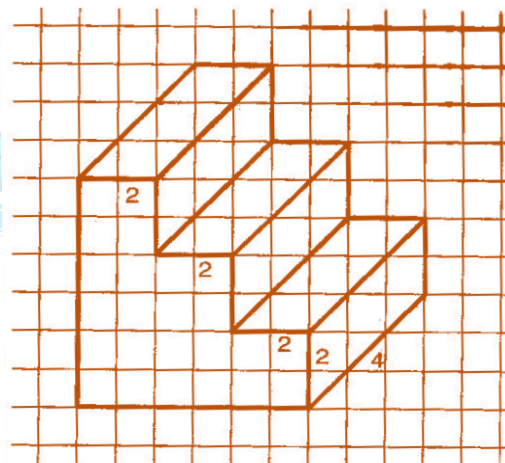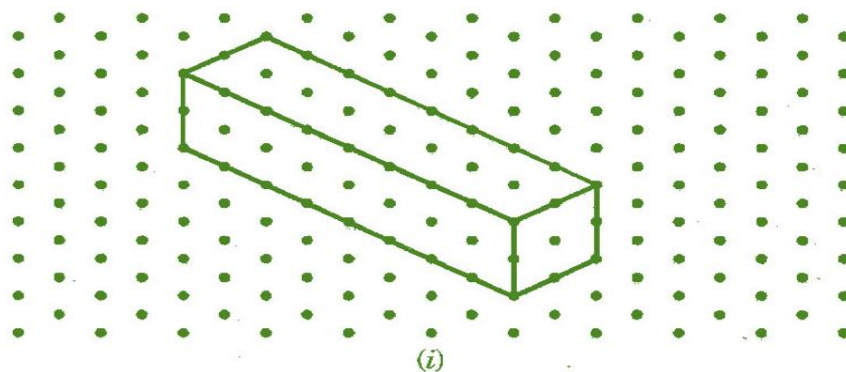Use isometric dot paper and make an isometric sketch for each one of the given shapes:
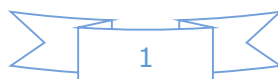

(i)
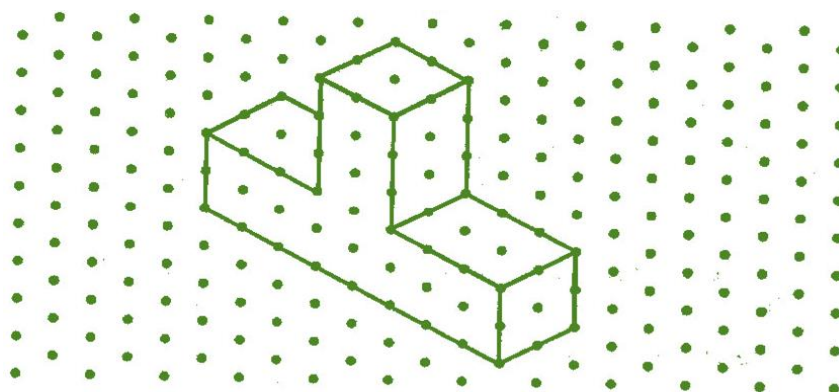

(ii)

(iii)

(iv)

Answer 1:

(i)

(ii)

(iii)

(iv)

Mathematics

Question 2:

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

Answer 2:

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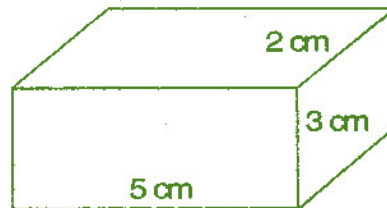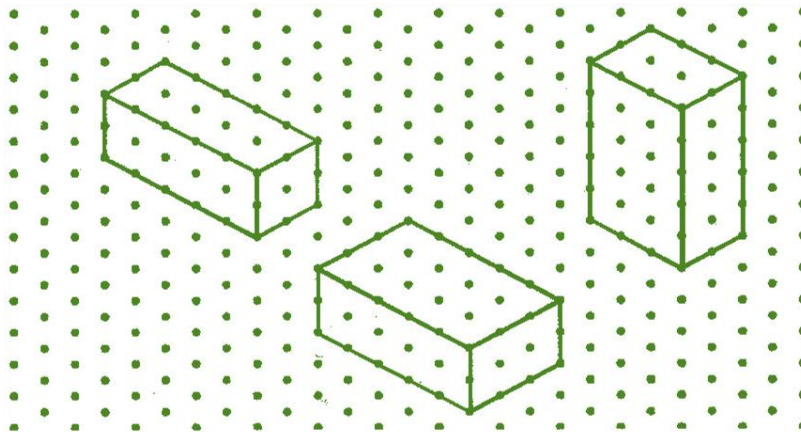

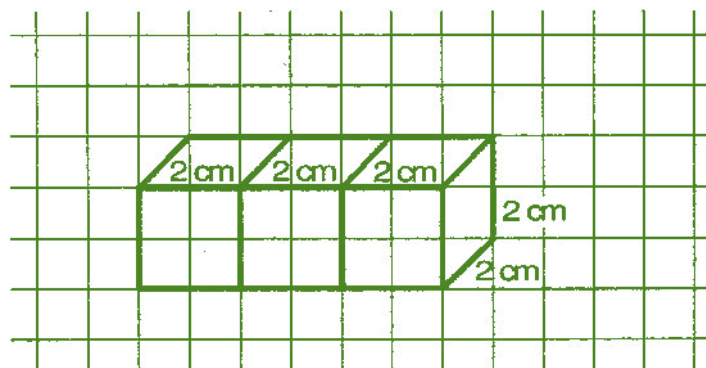Three different isometric sketches are:

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.
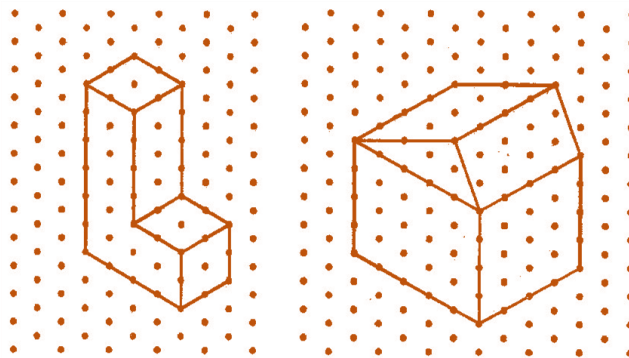
Answer 3:

Oblique sketch:

Isometric sketch

Question 4:

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

(a)　　　　　　(b)

Answer 4:

Oblique sketches:

(a)　　　　　　(b)

Mathematics

Question 5:
Give (i) an oblique sketch and (ii) an isometric sketch for each of the following:
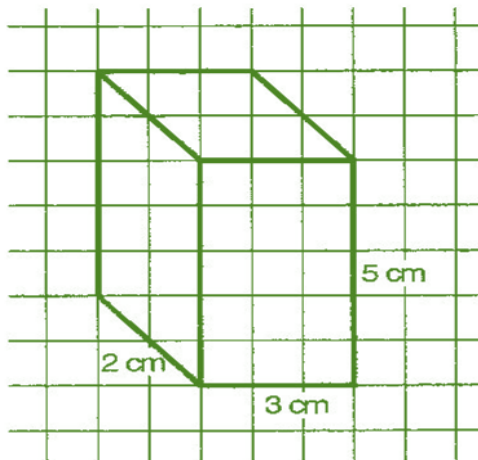   (a) A cuboid of dimensions 5 cm, 3 cm and 2 cm. (Is your sketch unique?)
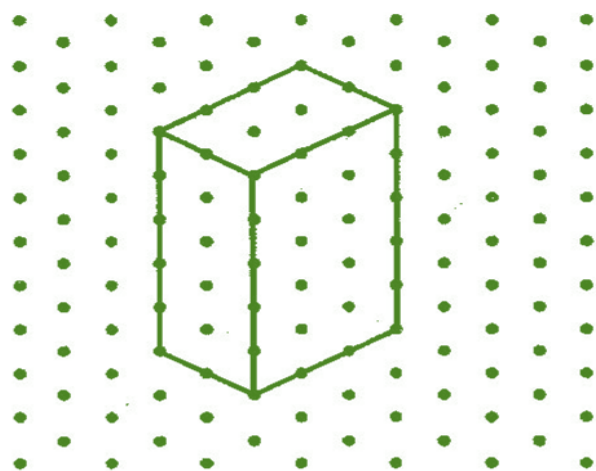   (b) A cube with an edge 4 cm long.

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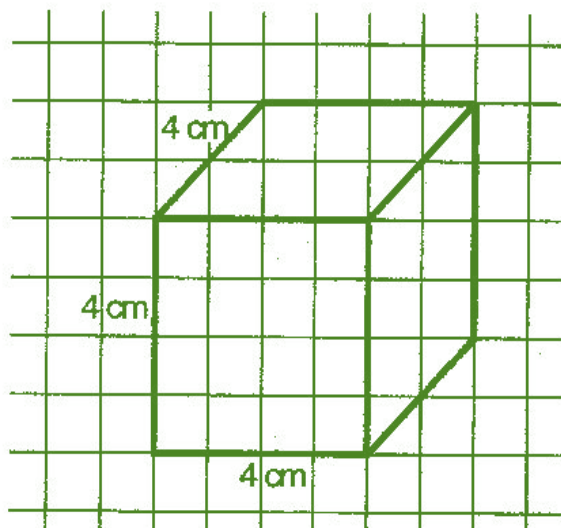   (a) A cuboid of dimension 5 cm, 3 cm and 2 cm.

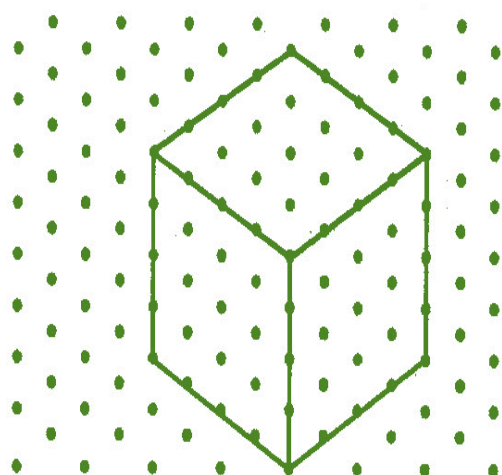(i)   Oblique sketch   (ii)   Isometric sketch

(b) A cube with an edge 4 cm long.
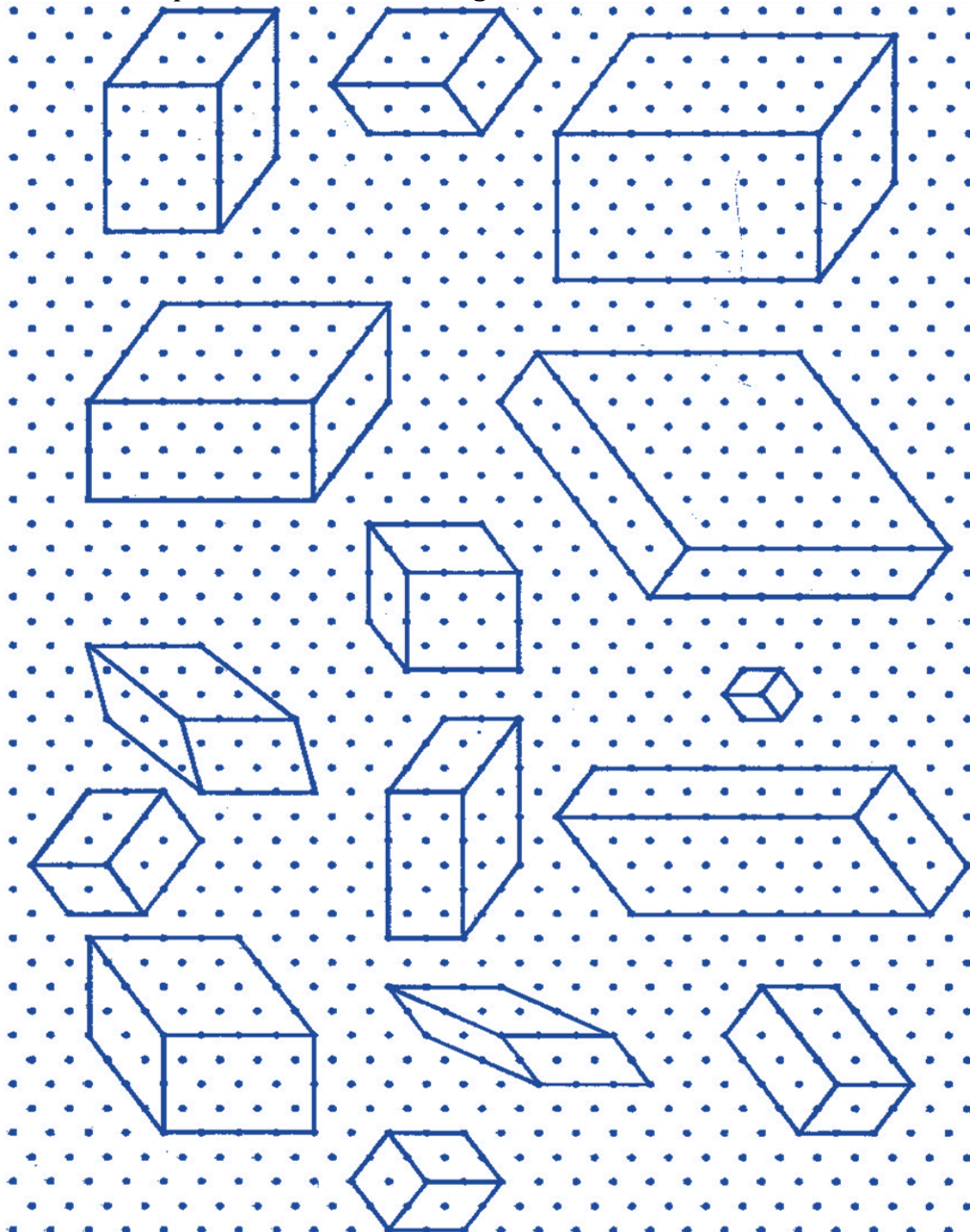   (i) Oblique sketch   (ii) Isometric sketch

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 6:
Cubes and cuboids shapes on isometric sheet given below:

You can also draw more shapes of cubes and cuboids.