

MATHEMATICS

Class-7th

Chapter-15

*Visualising
Solid
Shapes*

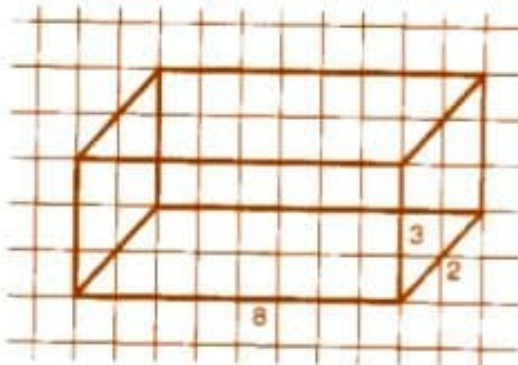
Exercise-15.2

By:-A.K.Jha

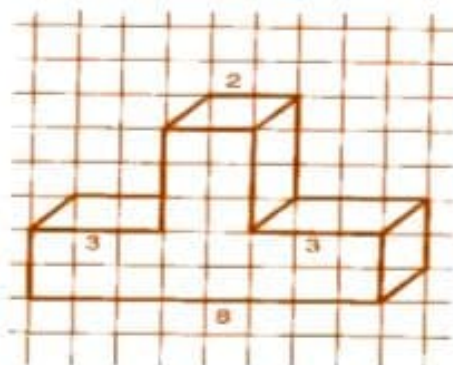
Exercise 15.2

Question 1:

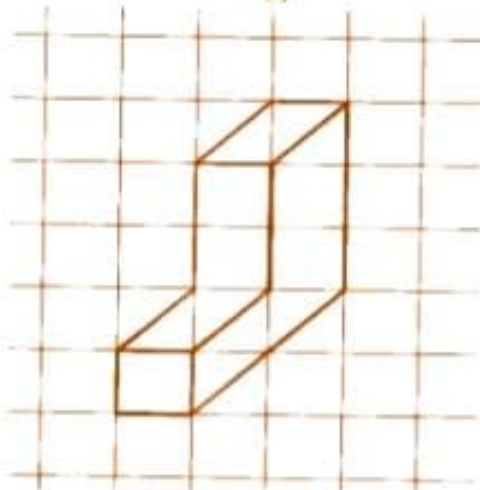
Use isometric dot paper and make an isometric sketch for each one of the given shapes:



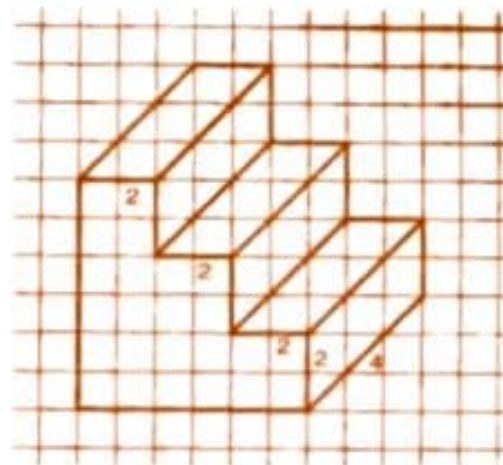
(i)



(ii)

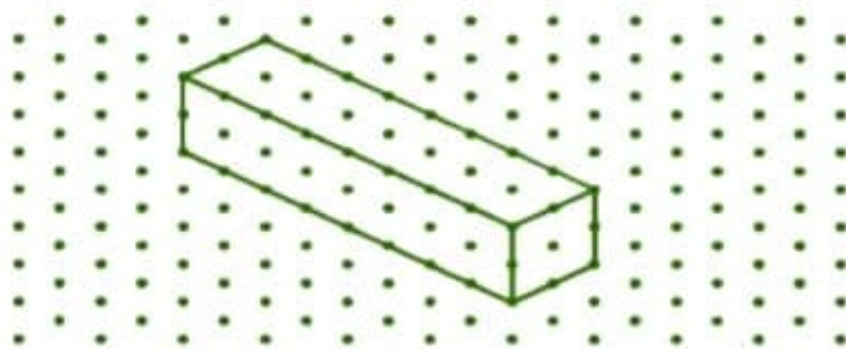


(iii)



(iv)

Answer 1:

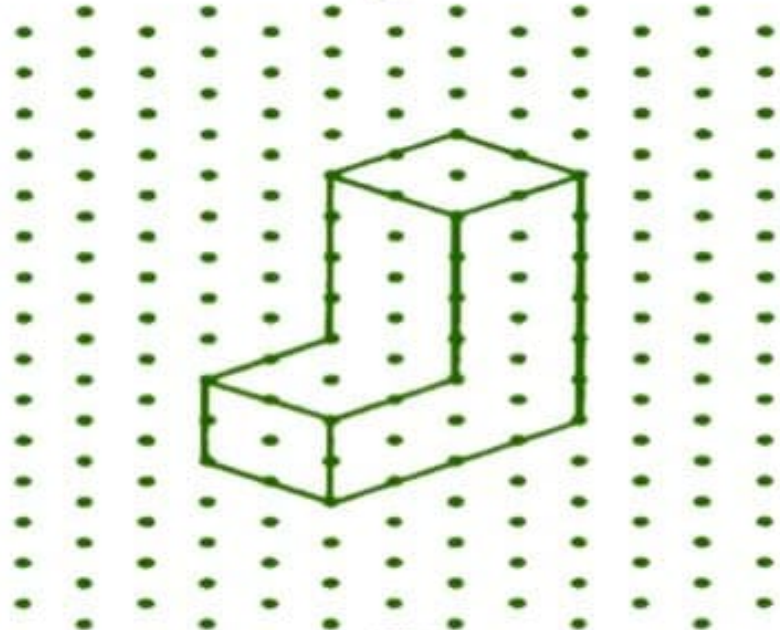


(i)

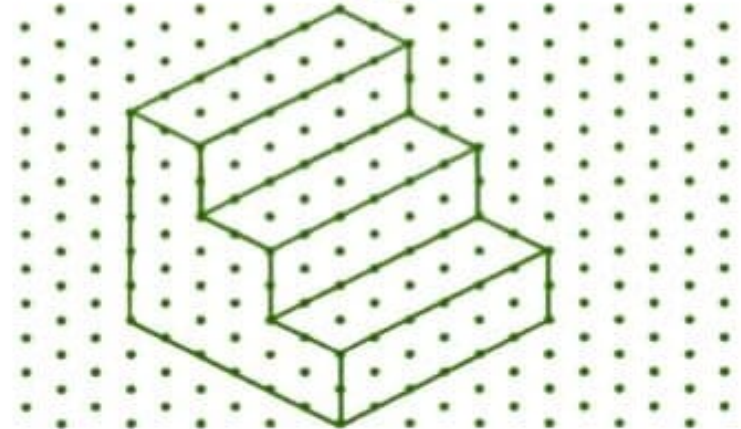




(ii)



(iii)



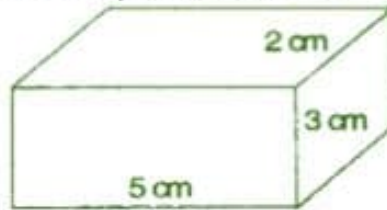
(iv)

Question 2:

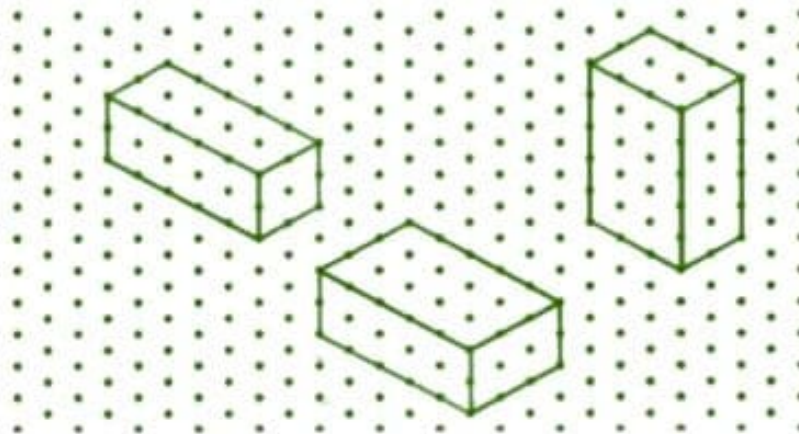
The dimensions of a cuboid are 5 cm, 3 cm and 2 cm. Draw three different isometric sketches of this cuboid.

Answer 2:

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



Three different isometric sketches are:

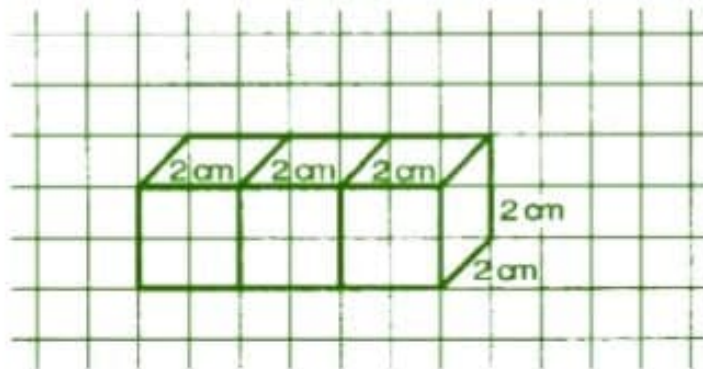


Question 3:

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:

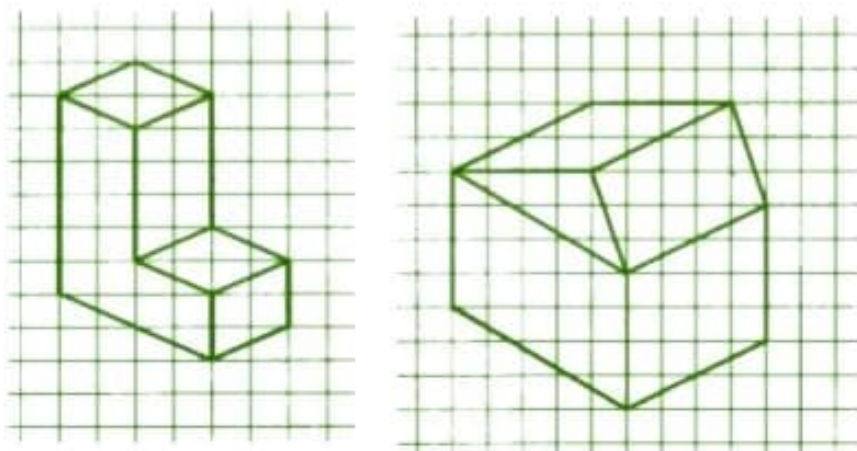


(a)

(b)

Answer 4:

Oblique sketches:



(a)

(b)

Question 5:

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

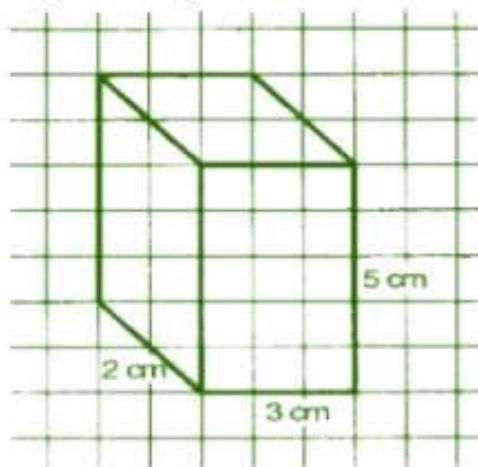
(a) A cuboid of dimensions 5 cm, 3 cm and 2 cm. (Is your sketch unique?)

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

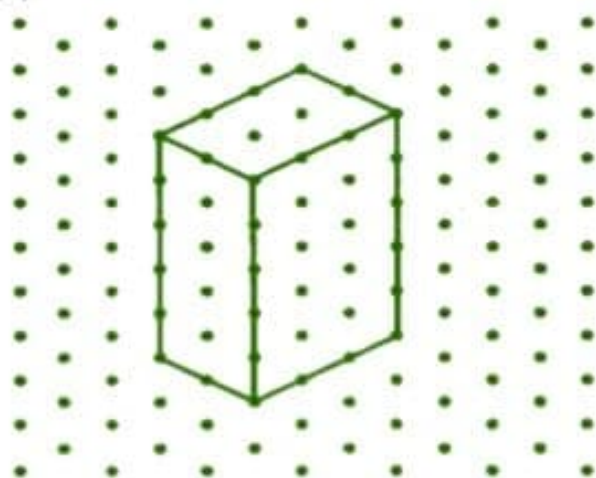
Answer 5:

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

(i) Oblique sketch

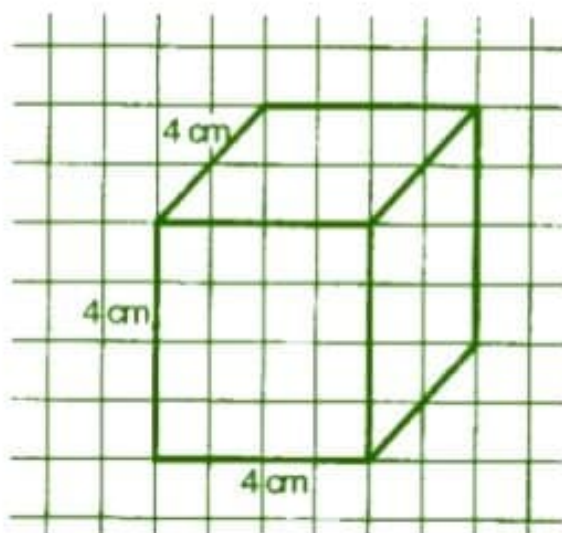


(ii) Isometric sketch

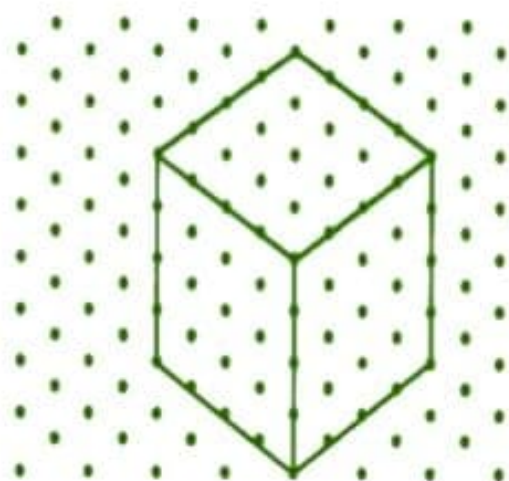


(b) A cube with an edge 4 cm long.

(i) Oblique sketch



(ii) Isometric sketch

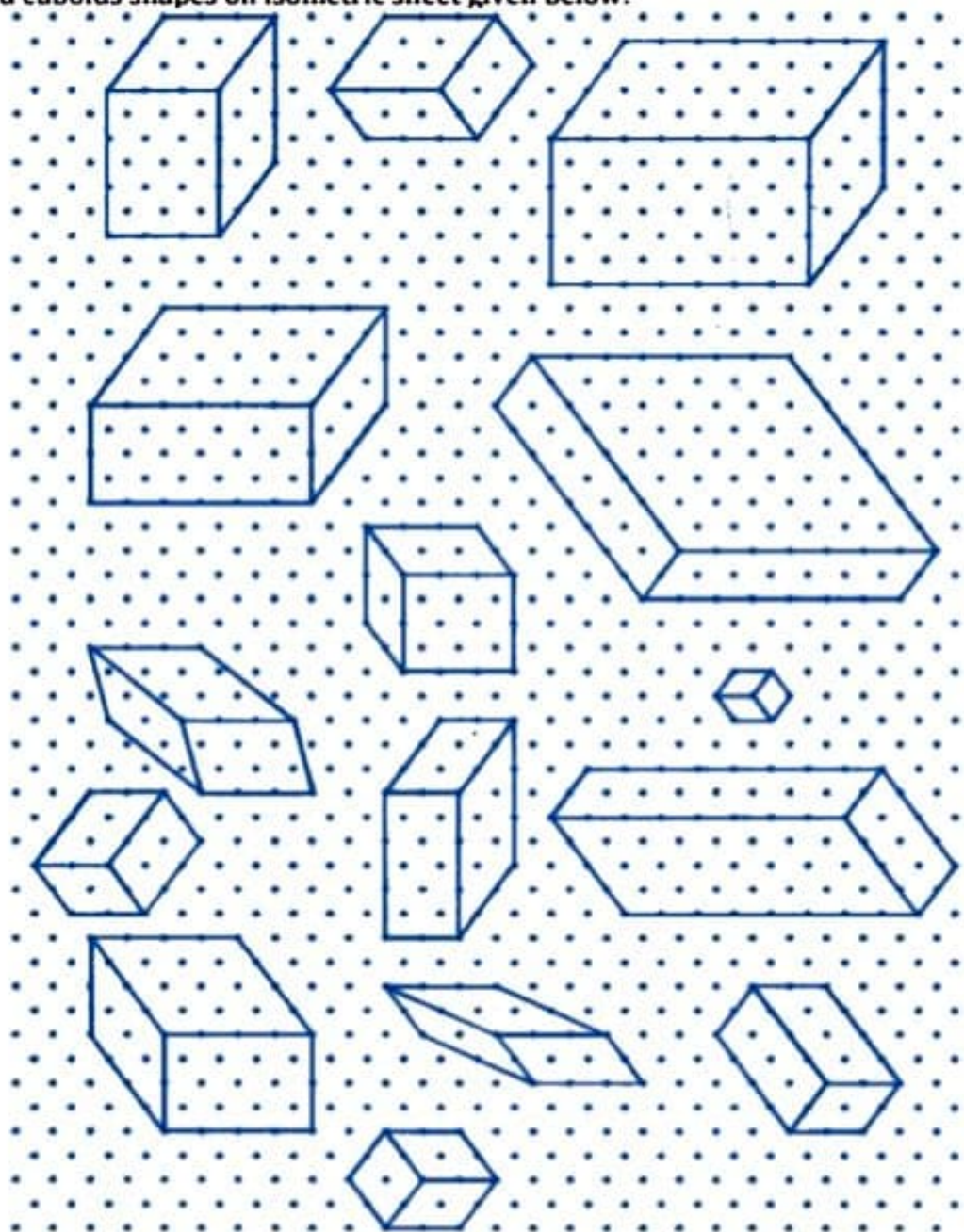


Question 6:

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.