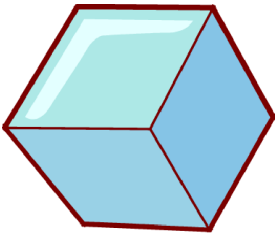


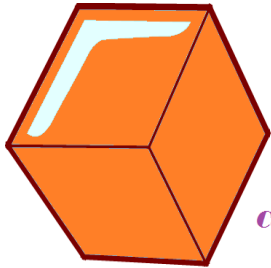
Volume of Prisms - II

1. Find the side length of each of the following cubes.



Volume = 27 m³

Solution:



Can hold 64 cm³ water!!

Solution:

2. Find the volume of the each of the following rectangular prisms.

a) 2 cm x 4 cm x 2 cm _____ b) 3 m x 4 m x 6 m _____ c) 5 in x 4 in x 3 in _____

d) 6 cm x 7 cm x 8 cm _____ e) 4 in x 7 in x 6 in _____ f) 4 cm x 3 cm x 1 cm _____

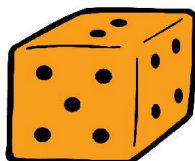
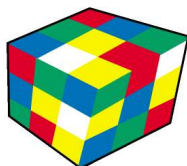
3. A cubical water tank has side length of 4 m. How many small cubical containers of side length of 1 m each, can be filled using all the water in the larger tank?

Solution:

4. A large iron slab with dimensions 3 x 4 x 6 m is melted. Using the melted iron, cubical bricks with side length of 2 m each are formed. Find the number of bricks formed.

Solution:

5. Find the sum of the volumes of each of the following cubes if side length of 1st one is 2 cm and of the rest two cubes is 3 cm each.



Solution: