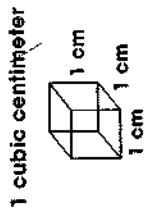
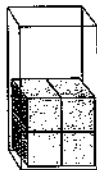


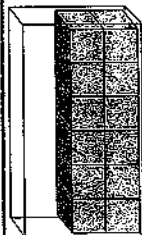
Find the volume of each box.



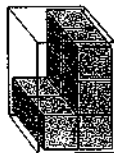
1 The volume is _____ cubic cm.



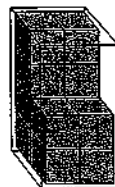
2 The volume is _____ cubic cm.



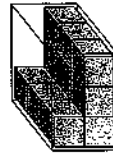
3 The volume is _____ cubic cm.



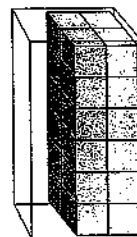
4 The volume is _____ cubic cm.



5 The volume is _____ cubic cm.



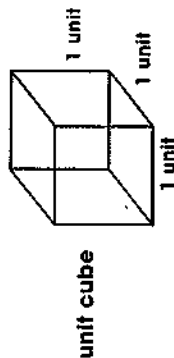
6 The volume is _____ cubic cm.



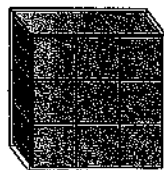
☆ Tell how you found the volume.



unit the cubic units to find the volume.



1 The volume is _____ cubic units.



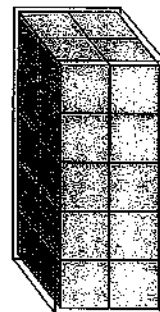
2 The volume is _____ cubic units.



3 The volume is _____ cubic units.



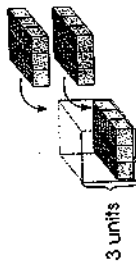
4 The volume is _____ cubic units.



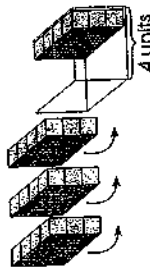
5 Draw a circle around the figure with the greatest volume.



Find the volume.



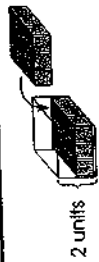
Number of cubic units in one layer: _____
 Number of layers: _____
 Volume: _____



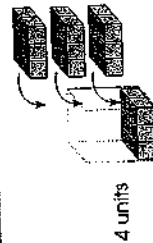
Number of cubic units in one layer: _____
 Number of layers: _____
 Volume: _____



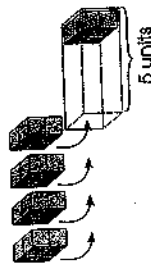
Number of cubic units in one layer: _____
 Number of layers: _____
 Volume: _____



Number of cubic units in one layer: _____
 Number of layers: _____
 Volume: _____



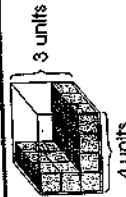
Number of cubic units in one layer: _____
 Number of layers: _____
 Volume: _____



Number of cubic units in one layer: _____
 Number of layers: _____
 Volume: _____



Number of cubic units in one layer: _____
 Number of layers: _____
 Volume: _____

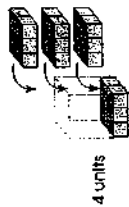


Number of cubic units in one layer: _____
 Number of layers: _____
 Volume: _____

☆ Tell how you solved the problem.

Solve each problem. Show your work.

- 1 Six cubic units fit in one layer of a box. The box holds four layers. What is the volume of the box?



- 2 If 12 cubic units fill the bottom layer of a box, and the box holds 3 layers, what is the volume of the box?

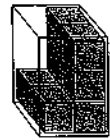
- 3 If 3 cubic centimeters fill the bottom layer of a box, and the box fits 6 layers, what is the volume of the box?

- 4 The gift box fits 2 layers of 10 cubic inches. What is the volume of the box?

- 5 What is the volume of the box?

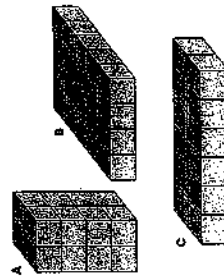


- 6 What is the volume of this box?



Circle the letter for the correct answer.

- 7 Which rectangular prism has the least volume?



- 8 The volume of a cube-shaped box is 81 cubic centimeters. If the bottom layer of the box fits 9 cubic centimeters, how many more layers can fit in the box?

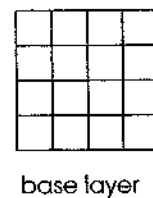
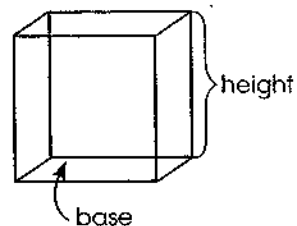
- a) 72
 b) 81
 c) 8
 d) 9

Find the volume of each rectangular prism.

1 Area of the base: _____ sq cm

Height: 4 cm

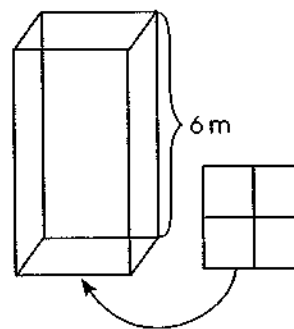
Volume: _____ x _____ = _____



2 Area of the base: _____ sq m

Height: _____

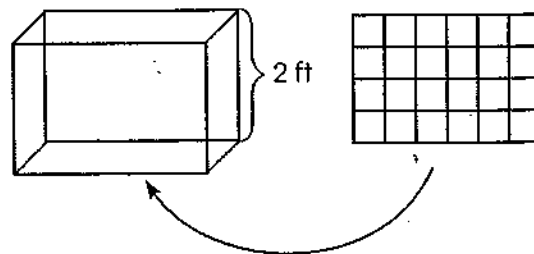
Volume: _____ x _____ = _____



3 Area of the base: _____ sq ft

Height: _____

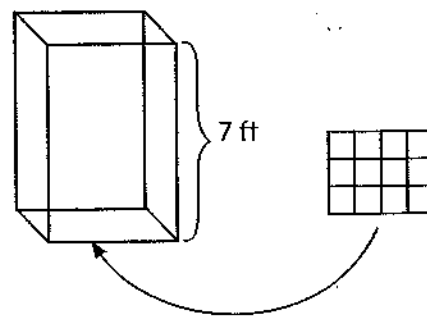
Volume: _____ x _____ = _____



4 Area of the base: _____ sq ft

Height: _____

Volume: _____ x _____ = _____



Tell how you can use area to find volume.

ne

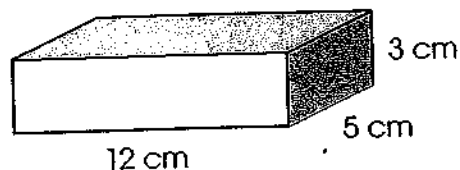
Use a formula to find volume. Show your work.

Formulas for Volume of a Rectangular Prism

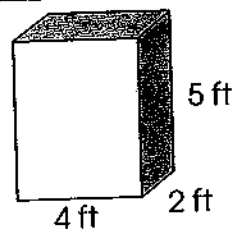
$$\begin{aligned} \text{Volume} &= \text{base (area of)} \times \text{height} & V &= b \times h \\ \text{Volume} &= \text{length} \times \text{width} \times \text{height} & V &= l \times w \times h \end{aligned}$$

Remember:

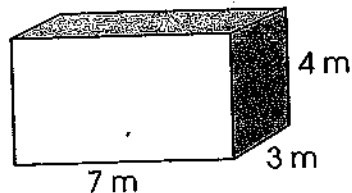
You can multiply in any order.



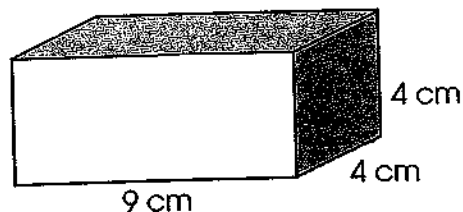
1 length _____ width _____ height _____
area of base _____
Volume _____



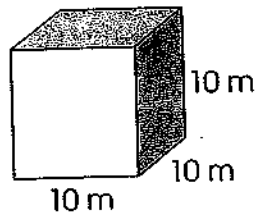
2 length _____ width _____ height _____
area of base _____
Volume _____



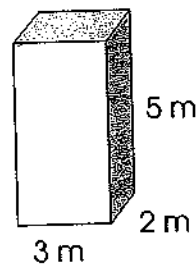
3 length _____ width _____ height _____
area of base _____
Volume _____



4 length _____ width _____ height _____
area of base _____
Volume _____



5 length _____ width _____ height _____
area of base _____
Volume _____



6 length _____ width _____ height _____
area of base _____
Volume _____



Tell how you found the volume.