Share and Show 　Math Board

Find the volume.

✓ **1.**

5 ft
4 ft
2 ft

$V =$ _____

✓ **2.**

9 cm
4 cm
4 cm

$V =$ _____

On Your Own

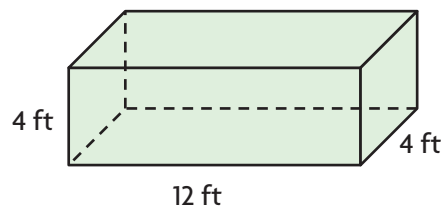**Find the volume.**

3.

6 in.
6 in.
6 in.

$V =$ _____
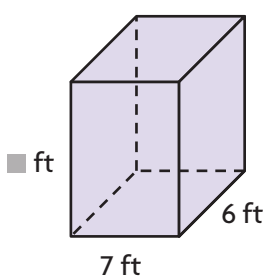
4.

4 ft
4 ft
12 ft
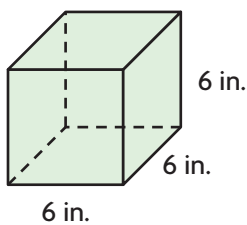
$V =$ _____

5. Hannah has a box that is in the shape of a rectangular prism. Its height is twice the length, its length is 3 times its width, and the width measures 6 inches. What is the volume of the box?
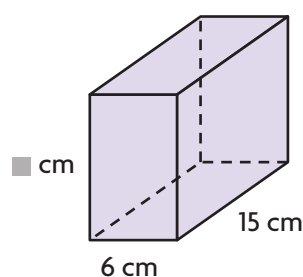
_____

MTR Find the unknown measurement.

6.

▪ ft
6 ft
7 ft

$V = 420$ cu ft　▪ = _____ ft

7.

▪ cm
15 cm
6 cm

$V = 900$ cu cm　▪ = _____ cm

8. The Jade Restaurant has a large aquarium on display in its lobby. The base of the aquarium is 5 feet by 2 feet. The height of the aquarium is 4 feet. How many cubic feet of water are needed to completely fill the aquarium?

_____

9. The Pearl Restaurant put a larger aquarium in its lobby. The base of the aquarium is 6 feet by 3 feet, and the height is 4 feet. How many more cubic feet of water does the Pearl Restaurant's aquarium hold than the Jade Restaurant's aquarium?

_____

10. Eddie measured his aquarium using a small fish food box. The box has a base area of 6 square inches and a height of 4 inches. Eddie found that the volume of his aquarium is 3,456 cubic inches. How many boxes of fish food could fit in the aquarium? Explain your answer.

MATH on the ► Spot

_____

_____

_____

_____
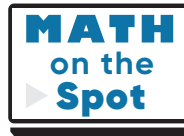
11. Manuel stores his favorite CDs in a box like the one shown.

Use the numbers and symbols on the tiles to write a formula that represents the volume of the box. Symbols may be used more than once or not at all.

7 cm · 15 cm · 10 cm

| V | 7 | 10 | 15 | = | + | × | − | ÷ |

_____
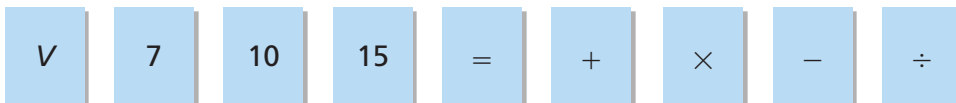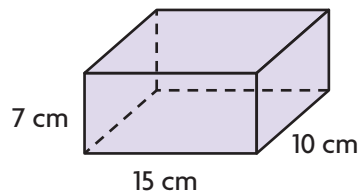
What is the volume of the box? _____ cubic centimeters