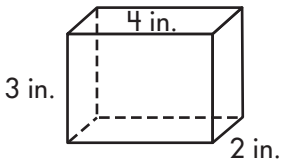
NAME _____

Lesson 8.7 Calculating Volume

Volume is the number of cubic units needed to fill a given solid.



Length: 4 in.
Width: 2 in.
Height: 3 in.

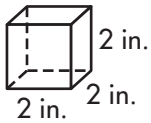
Volume = length × width × height
Volume = (4 in.) × (2 in.) × (3 in.)

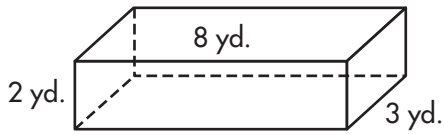
Volume = 24 cubic inches

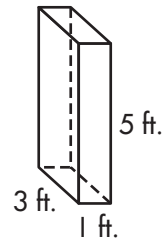
Find the volume of each rectangular solid.

a **b** **c**

1.

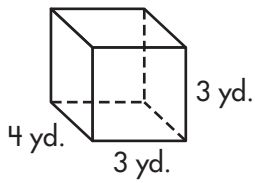


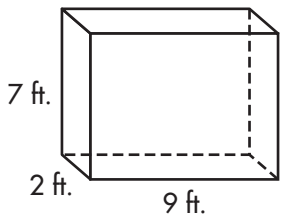


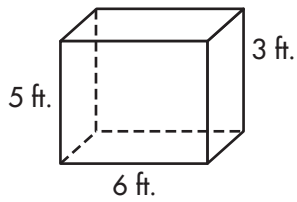


V = ____ cu. in. V = ____ cu. yd. V = ____ cu. ft.

2.

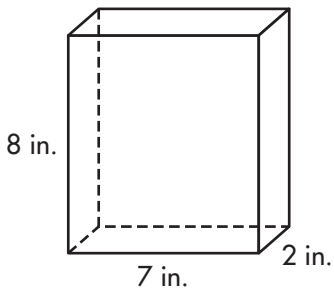


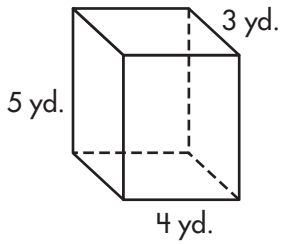


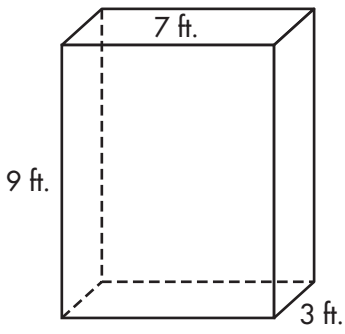


V = ____ cu. yd. V = ____ cu. ft. V = ____ cu. ft.

3.







V = ____ cu. in. V = ____ cu. yd. V = ____ cu. ft.