

5TH GRADE UNIT GUIDE

MARCH

Math

Standard: NC.5.MD.5 Relate volume to the operations of multiplication and division.

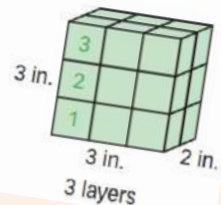
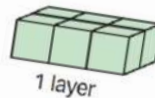
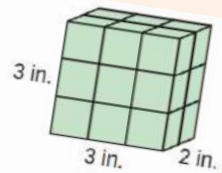
A gift box is 3 inches long, 2 inches wide, and 3 inches tall.
What is the volume of the box?

You can fill the box with 1-inch cubes.
Count the cubes.
There are 18 cubes.

You can also count the cubes in 1 layer.
There are 6 cubes in 1 layer.
The box has 3 layers.

$$6 + 6 + 6 = 18 \text{ or } 6 \times 3 = 18$$

The volume of the box is 18 cubic inches.



Vocabulary

attribute
unit cubes
cubic unit
cubic centimeter
cubic inches
square unit
cubic feet
volume

area
formula
face
right rectangular prism
rectangular prism
plane figure
solid figure
base

Activity

