Grade 6

Jill has $3\frac{1}{2}$ candy bars. She wants to share the candy bars with her friends. She gives each friend $\frac{3}{4}$ of a candy bar. She keeps the rest for herself.

a.) How many friends can she give $\frac{3}{4}$ of a candy bar to?

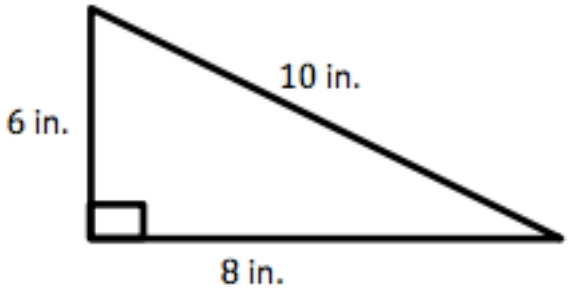
b.) How much of the candy bar will she keep for herself?

c.) Draw a model to show your solutions for Parts A and B. Explain how your model shows your solutions.

Source: NYC DOE Share My Candy Unit
http://schools.nyc.gov/NR/rdonlyres/946D93E8-E911-4589-871C-97317E227C3C/141874/NYCDOE_G6_Math_SharemyCandy_FINAL.pdf

Standard: 6.NS.1

Calculate the area of the right triangle. (not drawn to scale)



Source: https://www.engageny.org/resource/grade-6-mathematics-module-5
Standard: 6.G.1

The rectangular prism in Figure 1 is made up of some unit cubes as well as other cubes that have been cut in half.

What are the dimensions of Figure 1?

2½ by _____ by _____

Color the faces of the unit cubes blue.
Color the faces of the ½ cubes green.
How many uncut (unit) cubes are in the figure? _____
How many ½ cubes are in the figure? _____

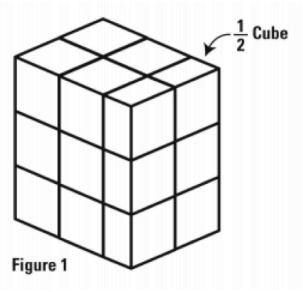


Figure 1

Without using the formula for finding volume, explain how you could find the volume of the prism.

Source: 6.G.2
Standard: http://maccss.ncdpi.wikispaces.net/file/view/CCSSMathTasks-Grade6.pdf/460716250/CCSSMathTasks-Grade6.pdf