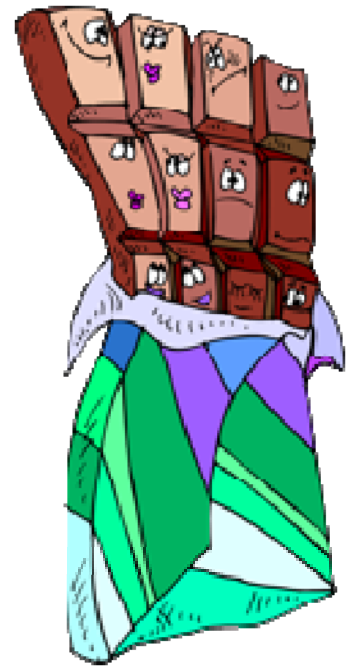


Name _____

Date _____

Using Geometry in Design Problems - Step-by-Step Lesson

You decided to start your own business of selling candy bars. The candy bars are packed in cartons which are 2 feet long, 3 foot wide, and 4 foot high. How many of these cartons can you pack into your closet which is 6 feet long, 6 feet wide and 17 feet high?



Explanation:

Start by finding the total cubic footage of the closet.

Area = length x width x height

Area = 6 x 6 x 17

Area = 612 cubic feet.

Step 3) Find the area of 1 carton of candy bars.

Area = length x width x height

Area = 2 x 3 x 4

Area = 24 cubic feet.

Step 4) See how many cartons you can find into the area:

612 cubic feet \div 24 cubic feet = 25.5 cartons

