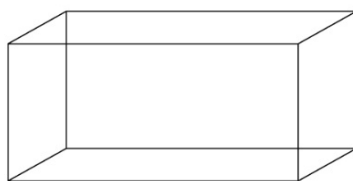What if the cubes I use to "pack" a prism are smaller than 1 cubic unit?
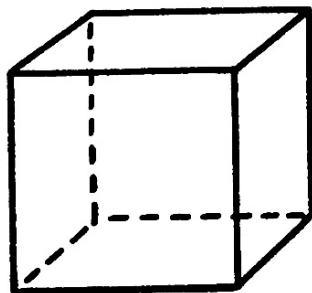
Connect

finding volume - 2 strategies
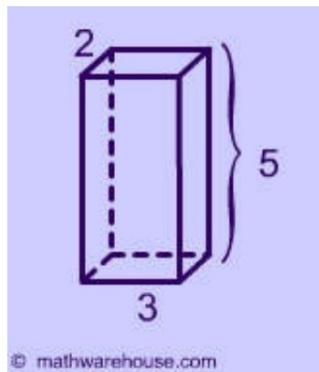
I do

How many 1/2-inch cubes would it take to fill this 1-inch unit cube?

I do
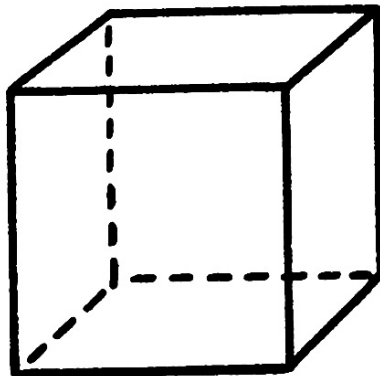
How many 1/3 inch cubes would fill this figure?

2

5

3

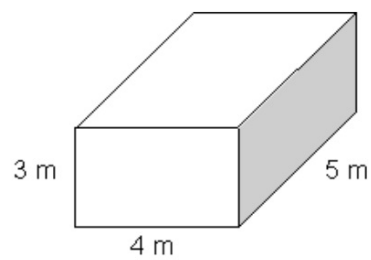© mathwarehouse.com

We do

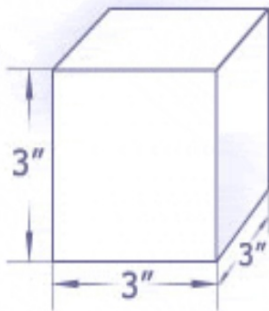How many 1/3-inch cubes would it take to fill this 1-inch unit cube?

We do

How many 1/2-inch cubes would it take to pack this prism?

You do together on whiteboard

1|2

How many ~~1/4~~- inch cubes would be needed to "pack" this figure?

3"

3"

3"

You do alone on index card

This figure is drawn "packed" with 1-cm cubes. How many ~~1/3~~-cm cubes would it take to "pack" the same prism?

1/2

2 cm

2 cm

5 cm