Name____

Date

Volume: Finding the Number of Cubes in a Prism

Problem 1:

The right rectangular prism-shaped box shown is filled with one-centimeter cubes.

How many one-centimeter cubes fit within the prism?

4cm 6cm

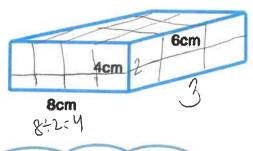
8/4+6 32 kle 192 Cubes At within the prisms

What is meant by one-centimeter cubes?

Problem 2:

The right rectangular prism-shaped box shown is filled with two-centimeter cubes.

How many two-centimeter cubes fit within the prism?



L= 8+2 cH Oubes W= 6+2=3 cubes N= 4+2=2 cubes N= 4+2=2 cubes

24 Cubes fit within the prism

What is meant by two-centimeter cubes?

MENU DESSERT

Problem 3:

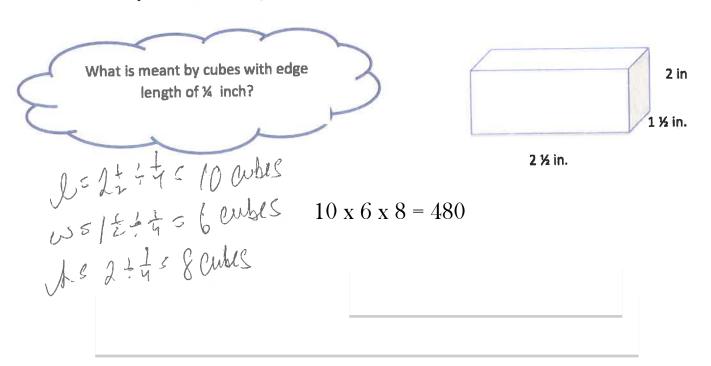
The right rectangular prism-shaped box shown is filled with 0.5--centimeter cubes.

Problem 4:

Small cubes with edge lengths of ¼ inch will be packed into the right rectangular prism shown.

0

How many small cubes are needed to completely fill the right rectangular prism?



480 - 1/4 in cubes can fit within the rectangular prism.