

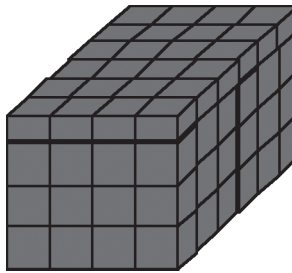
Name _____

Date _____

Extra Assessment Tasks: Volume

PROBLEM 17

How many 1-inch clay cubes will completely fill a box that measures 6 inches by 4 inches by $3\frac{1}{2}$ inches? The cubes can be cut apart. Explain your answer.

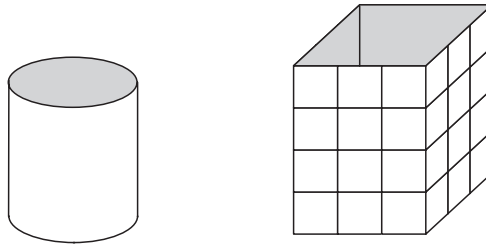


Name _____

Date _____

PROBLEM 18

It takes 2 of these cans of water to completely fill the box.



Suppose I have a group of clay cubes that are the same size as the cubes indicated on the side of the box. If I squish each cube into a disk the same size as the bottom of the can, how many of these disks will it take to completely fill the can?

Name _____

Date _____

PROBLEM 19

Find the volume of the pyramid that fits inside the rectangular box that measures 6-by-4-by-3 centimeters shown below. (The vertices of the pyramid are A, B, C, D, and E.)

