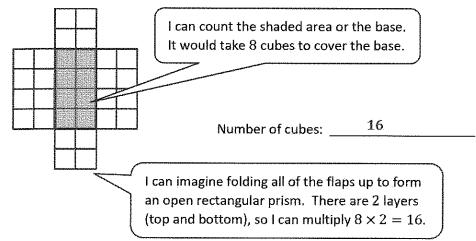
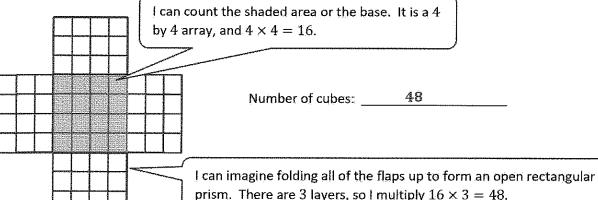
## G5-M5-Lesson 2

1. Shade the following figures on centimeter grid paper. Cut and fold each to make 3 open boxes, taping them so they hold their shapes. Pack each box with cubes. Write how many cubes fill the box.

a.

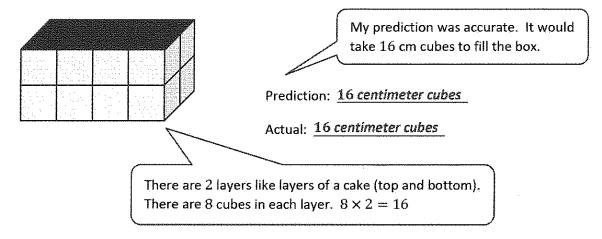


b.

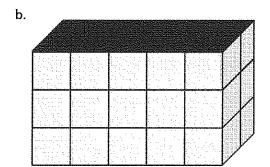


2. How many centimeter cubes would fit in each box? Explain your answer using words and diagrams on the box. (The figures are not drawn to scale.)

a.



There are 2 layers: top and bottom. Each layer has 8 cubes, and 8 cubes  $\times$  2 = 16 cubes.



This box looks like it might hold twice as many cubes as the first one, so my prediction is 32 cubes.

Prediction: 32 centimeter cubes

Actual: 30 centimeter cubes

There are 3 layers: top, middle, and bottom.

Each layer has 10 cubes, and 10 cubes  $\times$  3 = 30 cubes.