Name: _____ Date: _____

MathByExample

Geometry/Volume

Packing Unit Cubes (Part 2)

CCSS 5.MD.C.5.A

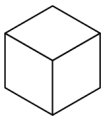
SET ONE

1. Study Kaylee's incorrect work.

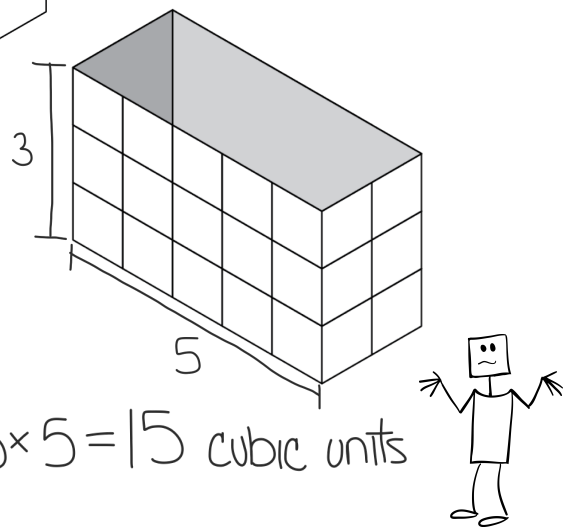
X

Name: Kaylee

Find the volume of the box by packing it with unit cubes.



= 1 cubic unit



$3 \times 5 = 15$ cubic units

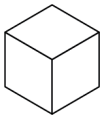
2. Answer these questions.

- Kaylee forgot to include one of the dimensions. Why can't you just use two dimensions to find volume?

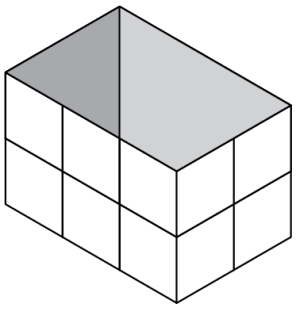
- By what other number should she have multiplied 3 × 5? Explain how you know.

3. Then complete this one.

Find the volume of the box by packing it with unit cubes.



= 1 cubic unit



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Packing Unit Cubes (Part 2), continued

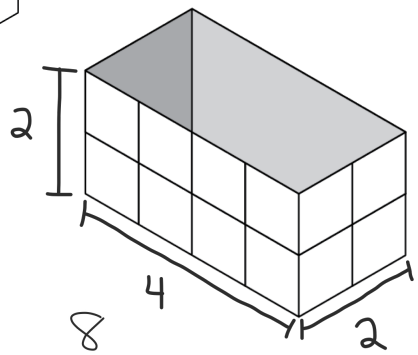
SET TWO

1. Study Connor's correct work.

Name: Connor

Find the volume of the box by packing it with unit cubes.

= 1 cubic unit



4 × 2 = 8

8 × 2 = 16

16 cubic units

2. Answer these questions.

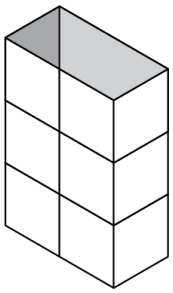
- Rather than counting every cube, Connor used multiplication. How did he find the area of the base?

- Connor multiplied the area of the base by the height. What is the height?

3. Then complete this one.

Find the volume of the box by packing it with unit cubes.

= 1 cubic unit



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