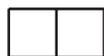
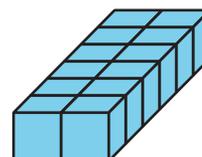
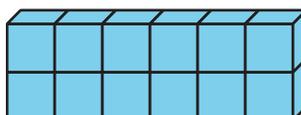
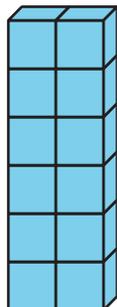


Lesson 5: Side Lengths of Rectangular Prisms

- Let's describe the side lengths of a prism and find the volume.

Warm-up: Notice and Wonder: Prism Print

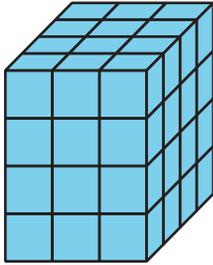
What do you notice? What do you wonder?



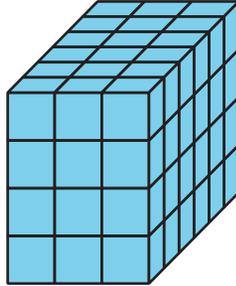
5.1: All About That Base

Here are 3 rectangular prisms.

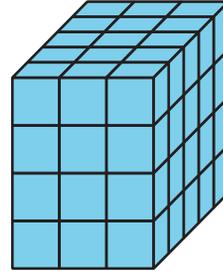
1



2

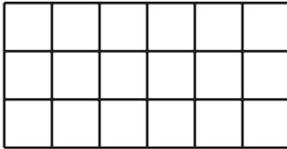


3

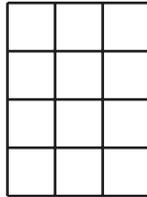


These rectangles represent bases of the prisms.

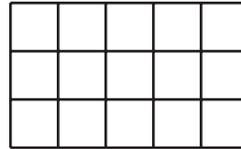
A



B



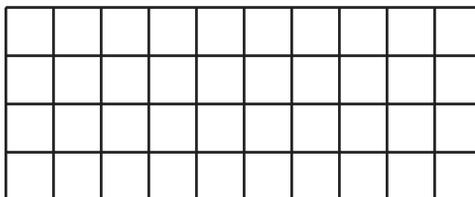
C



- Match each prism with a rectangle that represents its base. Note: Some prisms may match more than 1 rectangular base.
- Find the volume of each prism. Explain or show your reasoning.

5.2: Growing Prism

Here is a base of a rectangular prism.

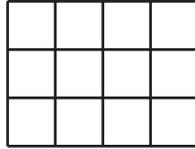


1. Fill out the table for the volumes of rectangular prisms with this base and different heights.

height	multiplication expression to represent the volume	volume
1		
2		
3		
10		
25		

5.3: What is the Question?

This is the base of a rectangular prism that has a height of 5 cubes.



These are answers to questions about the prism. Read each answer and determine what question it is answering about the prism.

1. 3 is the answer. What is the question?

2. 5 is the answer. What is the question?

3. $3 \times 4 = 12$. The answer is 12. What is the question?

4. $12 \times 5 = 60$. The answer is 60 cubes. What is the question?

5. 3 by 4 by 5 is the answer. What is the question?
