## 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

1. Match each prism with a rectangle that represents its base. Note: Some prisms may match more than 1 rectangular base.
2. 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. $3×4=12$. The answer is 12. What is the question?
4. $12×5=60$. The answer is 60 cubes. What is the question?
5. 3 by 4 by 5 is the answer. What is the question?



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