Lesson 3: Volumes of Prism Drawings

- Let's use layers to find volume.

Warm-up: Number Talk: Multiplication

Find the value of each expression mentally.

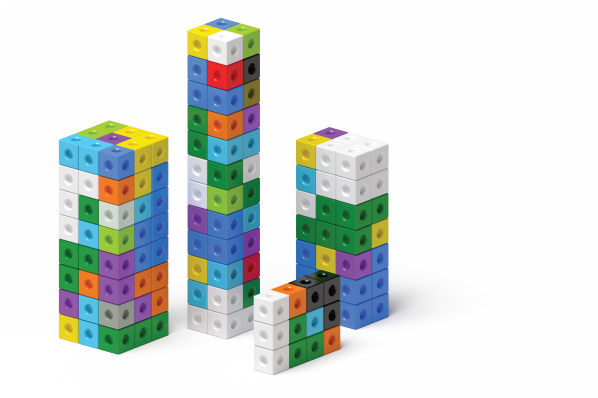- 6×4

- $3 \times 2 \times 4$

- $3 \times 2 \times 5$

- $3 \times 2 \times 6$

3.1: Build Rectangular Prisms

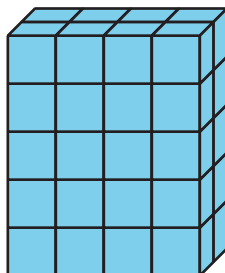The prisms on the cards are completely packed with unit cubes.

1. Pick a card.

2. Build the rectangular prism.

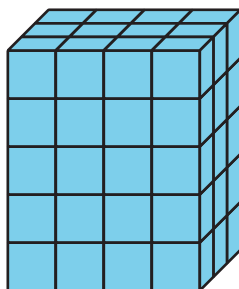3. Find the volume. Explain how you found the volume to your partner.

4. Repeat.

3.2: Layers, layers, and more layers

The prisms are completely packed with unit cubes. Determine the volume of each prism. Explain or show your reasoning.

1.

2.

3.