Unit 1, Lesson 3

Volume of Prism Drawings

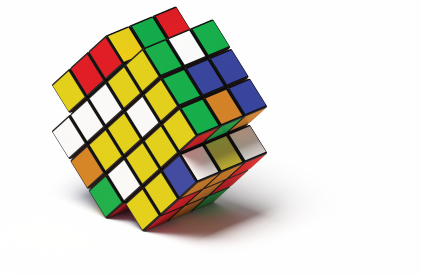
Let's use layers to find volume.

Warm-up

Number Talk: Multiplication

Find the value of each expression mentally.

- 6×4
- $3 \times 2 \times 4$
- $3 \times 2 \times 5$
- $3 \times 2 \times 6$

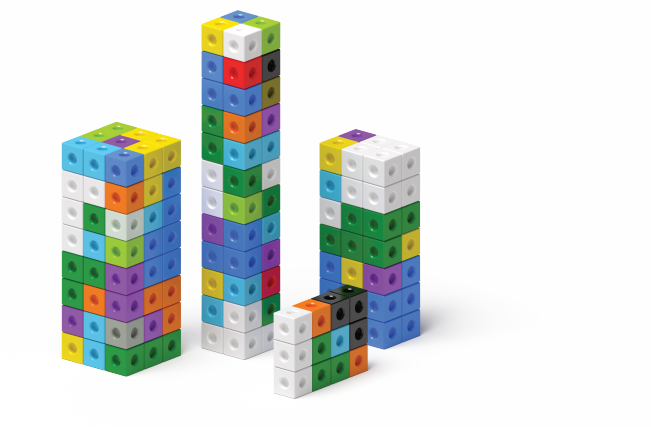


Activity 1

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.

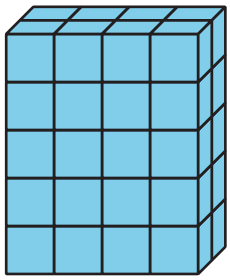


Activity 2

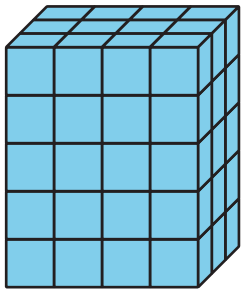
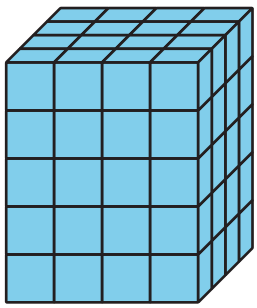
Layers, Layers, and More Layers

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

1.



2.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