Problem Solving:
Use Objects and Reasoning

This cube has a volume of 1 cm³.

\[ V = 1 \times 1 \times 1 = 1 \text{ cm}^3 \]

Each cube has a volume of 1 cm³.

1. Find the volume of the figure.

2. Make and draw a figure of cubes that has a volume of 7 cm³.

3. Explain how you knew how many cubes to use to draw the figure in Exercise 2.

4. Find the volume.

5. If the cubes in Exercise 4 were increased to 3 cm on a side, how would the volume be affected?