

Lesson 15: Volume of Prisms

Cool Down: Storage Box

A storage box has a volume of 56 cubic inches. The base of the box is 4 inches by 4 inches.

1. What is the height of the box?

2. Lin's teacher uses the box to store her set of cubes with an edge length of $\frac{1}{2}$ inch. If the box is completely full, how many cubes are in the set?