

Storage Box (6.4.D.15.4)

Illustrative Mathematics

15.4: Storage Box

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

1. What is the height of the box?

1. 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?