Lesson 14: Fractional Lengths in Triangles and Prisms

Cool Down: Triangles and Cubes

1. A triangle has a base of $3\frac{2}{5}$ inches and an area of $5\frac{1}{10}$ square inches. Find the height of the triangle. Show your reasoning.

2. Answer each question and show your reasoning.

   a. How many cubes with edge lengths of $\frac{1}{3}$ inch are needed to build a cube with an edge length of 1 inch?

   b. What is the volume, in cubic inches, of one cube with an edge length of $\frac{1}{3}$ inch?

Grade 6 Unit 4

Lesson 14

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