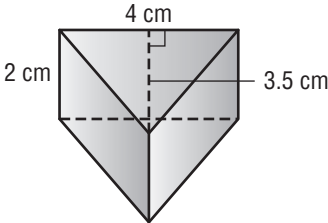
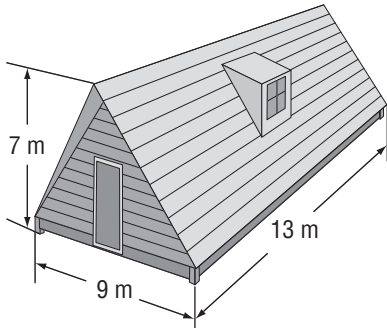


Lesson 2 Problem-Solving Practice

Volume of Triangular Prisms

<div><div>1. <b>TOY BLOCKS</b> A set of wooden blocks includes a triangular prism like the one shown below. Find the volume of the block.</div><div></div></div>	<div><div>2. <b>RAMP</b> The base of a bicycle ramp has an area of 4 square feet. The ramp is a triangular prism. If the ramp has a height of <math>2\frac{1}{2}</math> feet, what is the volume of the ramp?</div></div>
<div><div>3. <b>CLAY</b> A potter crafts a triangular prism out of clay. The height of the clay prism is 9 centimeters. Each triangle has a base of 12 centimeters and a height of 4 centimeters. What is the volume of the clay piece?</div></div>	<div><div>4. <b>CABIN</b> An A-frame cabin is built in the shape of a triangular prism, as shown. The front wall of the cabin has a length of 9 meters and a height of 7 meters. The cabin is 13 meters deep. Find the volume of the cabin.</div><div></div></div>
<div><div>5. <b>PAPERWEIGHT</b> A novelty paperweight has a triangular base with an area of 15 square centimeters. If the height of the paperweight is 1.5 centimeters, what is the volume of the paperweight?</div></div>	<div><div>6. <b>SANDBOX</b> Mr. Riojas is building his children a sandbox that is shaped like a triangular prism. He uses 7-foot-long wooden beams for each side of the base. He measures the height of the triangular base to be 6.1 feet. If he makes the sandbox 1 foot tall, how much sand will he need to fill it? Round to the nearest cubic foot.</div></div>

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