**Lesson 2 Skills Practice**

***Volume of Triangular Prisms***

**Find the volume of each prism. Round to the nearest tenth if necessary.**

 **1. 2. 3.**







 **4. 5. 6.**







 **7. 8. 9.**







**Lesson 2 Homework Practice**

***Volume of Triangular Prisms***

**Find the volume of each prism. Round to the nearest tenth if necessary.**

 **1. 2. 3 .**







 **4. 5. 6.**







 **7. 8. 9.**







 **10. WEDGE** The base of a triangular door wedge has an area of 55 square centimeters. The height of the wedge is 5 centimeters. Find the volume of the door wedge.

 **11. GAME** A wooden peg game in the shape of a triangular prism is 2 inches tall. The triangle has a base of 12 inches and a height of 9 inches. Find the volume of the game.

**Lesson 2 Problem-Solving Practice**

***Volume of Triangular Prisms***

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| **1. TOY BLOCKS** A set of wooden blocks includes a triangular prism like the one shown below. Find the volume of the block.CCSS_C1_Ch10_L1_PS1.jpg | **2. RAMP** 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 $2\frac{1}{2} $feet, what is the volume of the ramp? |
| **3. CLAY** 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? | **4. CABIN** 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.CCSS_C1_Ch10_L1_PS2.jpg |
| **5. PAPERWEIGHT** 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? | **6. SANDBOX** 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. |