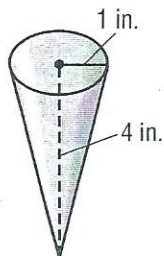


7-6

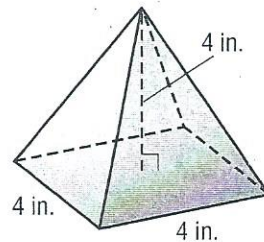
Word Problem Practice

Volume of Pyramids, Cones, and Spheres

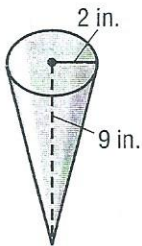
1. DESSERT Find the volume of the ice cream cone shown below. Round to the nearest tenth if necessary.



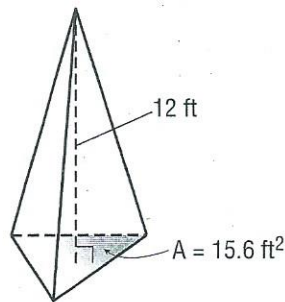
2. SOUVENIRS On a trip to Egypt, Myra bought a small glass pyramid as a souvenir. Find the volume of the glass used to make the pyramid. Round to the nearest tenth.



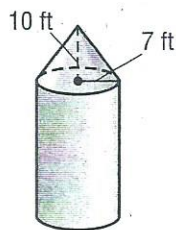
3. AUTO REPAIR A funnel used to fill the transmission on a car is shown below. Find the volume of the funnel. Round to the nearest tenth.



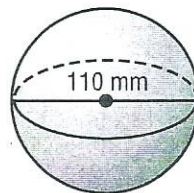
4. ART An artist created a commemorative marker in the shape of a triangular pyramid. Find the volume of the stone used to make the marker. Round to the nearest tenth.



5. FARMING The top of a silo is a cone, as shown in the figure. Find the volume of the cone. Round to the nearest tenth.



6. SPORTS A 16-pound track and field shotput has a diameter of 110 millimeters. What is the volume of the shotput? Use 3.14 for π .



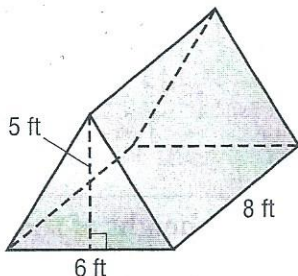
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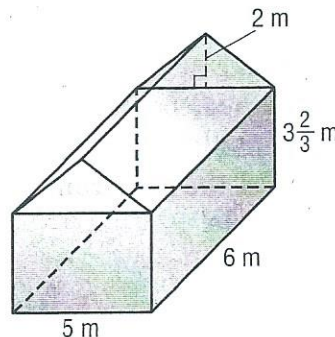
Word Problem Practice

Volume of Prisms and Cylinders

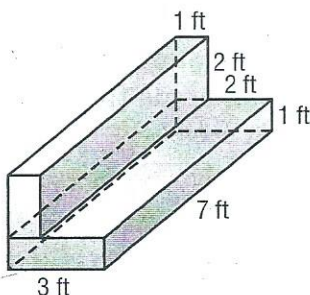
1. CAMPING A tent used for camping is shown below. Find the volume of the tent.



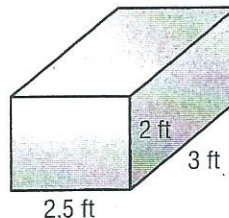
2. CONSTRUCTION The dimensions of a new tree house are shown below. How many cubic feet of space will the tree house contain?



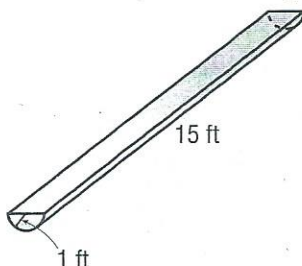
3. FOAM The figure below shows a piece of foam packaging. Find the volume of the foam.



4. DONATIONS Lawrence is donating some outgrown clothes to charity. The dimensions of the box he is using are shown below. How many cubic feet of clothes will fit in the box?



5. FARM LIFE A trough used for watering horses is shown in the figure. The trough is half of a cylinder. How many cubic feet of water will the trough hold? Round to the nearest tenth.



6. FARM LIFE If the volume of the water in the trough in Exercise 5 decreases by 5.6 ft^3 per day, after how many days will the trough be empty? Round to the nearest tenth if necessary.