# Volume Story Problems

Name: _____

Read each story. Draw the box and label its edges, then show your work.

**1.** A fish tank is 10 inches long, 6 inches wide and 8 inches tall. What is the volume of the tank?

Answer: _____

**2.** A cereal box has a base with an area of 35 square centimeters. The box is 9 centimeters tall. What is its volume?

Answer: _____

**3.** A sandbox holds 48 cubic feet of sand when it is full. It is 6 feet long and 4 feet wide. How deep is the sandbox?

Answer: _____

**4.** A gift box is a cube. Every edge is 5 centimeters long. What is the volume of the box?

Answer: _____

**5.** A step stool is made of two wooden blocks. One block is 8 in by 3 in by 2 in. The other is 4 in by 3 in by 5 in. What is the volume of the whole stool?

Answer: _____

**6.** A crate is 4 meters long, 3 meters wide and 2 meters tall. It is exactly half full of grain. How many cubic meters of grain are in the crate?

Answer: _____

# Volume Story Problems (Answer Key)

Read each story. Draw the box and label its edges, then show your work.

**1.** A fish tank is 10 inches long, 6 inches wide and 8 inches tall. What is the volume of the tank?

**10 × 6 × 8 = 480**

Answer: **480 cubic in**

**2.** A cereal box has a base with an area of 35 square centimeters. The box is 9 centimeters tall. What is its volume?

**35 × 9 = 315**

Answer: **315 cubic cm**

**3.** A sandbox holds 48 cubic feet of sand when it is full. It is 6 feet long and 4 feet wide. How deep is the sandbox?

**6 × 4 = 24, 48 ÷ 24 = 2**

Answer: **2 ft**

**4.** A gift box is a cube. Every edge is 5 centimeters long. What is the volume of the box?

**5 × 5 × 5 = 125**

Answer: **125 cubic cm**

**5.** A step stool is made of two wooden blocks. One block is 8 in by 3 in by 2 in. The other is 4 in by 3 in by 5 in. What is the volume of the whole stool?

**48 + 60 = 108**

Answer: **108 cubic in**

**6.** A crate is 4 meters long, 3 meters wide and 2 meters tall. It is exactly half full of grain. How many cubic meters of grain are in the crate?

**4 × 3 × 2 = 24, 24 ÷ 2 = 12**

Answer: **12 cubic m**