

SCIENCE 5 WORKSHEET

Volume and Density

Part A. Finding the Volume of a Rectangular Solid

Direction: Read each problem carefully. Find the **volume** of each rectangular solid. Show your solution and write your final answer with the correct unit (**cm³**).

1. A toy storage box is **12 cm** long, **8 cm** wide, and **5 cm** high. What is its volume?
2. A fish tank measures **15 cm** long, **10 cm** wide, and **6 cm** high. What is the volume of the fish tank?
3. A rectangular gift box has a length of **20 cm**, a width of **9 cm**, and a height of **4 cm**. Find its volume.

Part B. Finding the Volume of a Cube

Direction: Read each problem carefully. Find the **volume** of each cube. Show your solution and write your final answer with the correct unit (**cm³**).

1. A cube-shaped ice block has sides measuring **5 cm** each. What is its volume?
2. A cube gift box has sides measuring **8 cm**. What is its volume?
3. A cube aquarium decoration measures **9 cm** on each side. What is its volume?

Part C. Finding the Density

Direction: Read each problem carefully. Find the **density** of each object. Show your solution and write your final answer with the correct unit (**g/cm³**).

1. A rock has a **mass of 120 g** and a **volume of 40 cm³**. What is its density?
2. A wooden block has a **mass of 150 g** and a **volume of 75 cm³**. Find its density.
3. A metal cube has a **mass of 360 g** and a **volume of 60 cm³**. What is its density?