



# Scientific Measurements

Grade 4

Name: \_\_\_\_\_

Solve scientific measurement problems.

Pay attention to the units (cm, g, L).

**Example:** A beaker holds 0.45 L. How many mL?  $0.45 \times 1000 = 450$  mL

(1) A worm is 15.5 cm long. A second worm is 0.2 meters long. What is their total length in cm? 🐛

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(2) A beaker holds 1.5 liters of water. If 300 milliliters are poured out, how many milliliters are left? 💧

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(3) A bag of sugar weighs 0.75 kilograms. A bag of flour weighs 500 grams. What is their combined weight in grams? 🍪

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(4) A scientist worked for 1 hour and 15 minutes on an experiment. Then she worked for 30 more minutes. How many hours did she work in total? 🕒

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(5) A road is 2.5 kilometers long. After paving 800 meters, how many meters are left to pave? 🛣️

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(6) The temperature of a liquid started at  $18.2^{\circ}\text{C}$ . It increased by  $3.5^{\circ}\text{C}$ , then by another  $1.0^{\circ}\text{C}$ . What is the final temperature? 🔥

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(7) A small rock weighs 250 grams. How many such rocks would it take to reach a total weight of 1 kilogram? 🪨

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(8) A test tube contains 750 milliliters of solution. Another test tube has 0.5 liters of the same solution. How many liters are there in total? 🧪

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(9) A piece of wire is 12 centimeters long. How many millimeters long is it? 🧵

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(10) A chemical reaction takes 2 hours and 10 minutes to complete. If 45 minutes have already passed, how many minutes are remaining? ⌚

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