



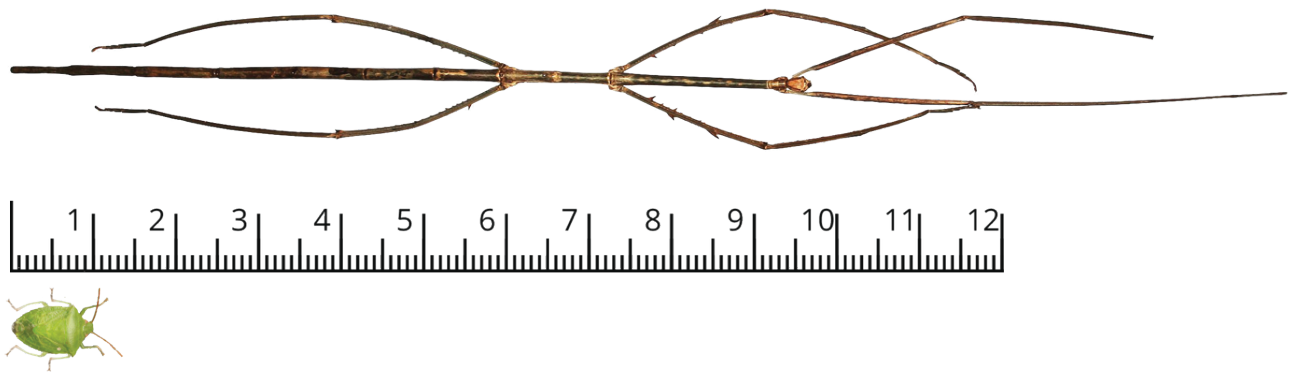
# Meters and Centimeters

Let's explore lengths in meters and in centimeters.

## Warm-up

### Notice and Wonder: Big Bug, Little Bug

What do you notice? What do you wonder?



## Activity 1

### How Long Is 1 Meter?

1. Use the centimeter paper to build a strip that is 100 centimeters long. You will need scissors and tape.

If you do it precisely, your paper strip will be 1 meter long.

2. List 5 items in the classroom that you think are about 1 meter long.

Then use your paper strip to check how close your prediction is to 1 meter.

3. Decide whether each of the following is more than 1 meter, less than 1 meter, or about 1 meter.

- a. The stick insect in the *Warm-up* activity

- b. The step you make when walking

- c. The step you make when running

- d. Your arm span

## Activity 2

### In and around the School

Priya took some measurements in meters and recorded them in the table, but she made some errors when converting them to centimeters. She also left out 1 measurement.

	measurement (meters)	measurement (centimeters)
a. height of door	2	200
b. height of hallway	3	30
c. width of hallway	5	500
d. length of gym	18	180
e. length of hallway	27	2,700
f. length of playground	50	

1. Find and correct Priya's conversion errors. Explain how you know.

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2. Record the length of the playground in centimeters. Write an equation to represent your thinking.