Unit 5, Lesson 7

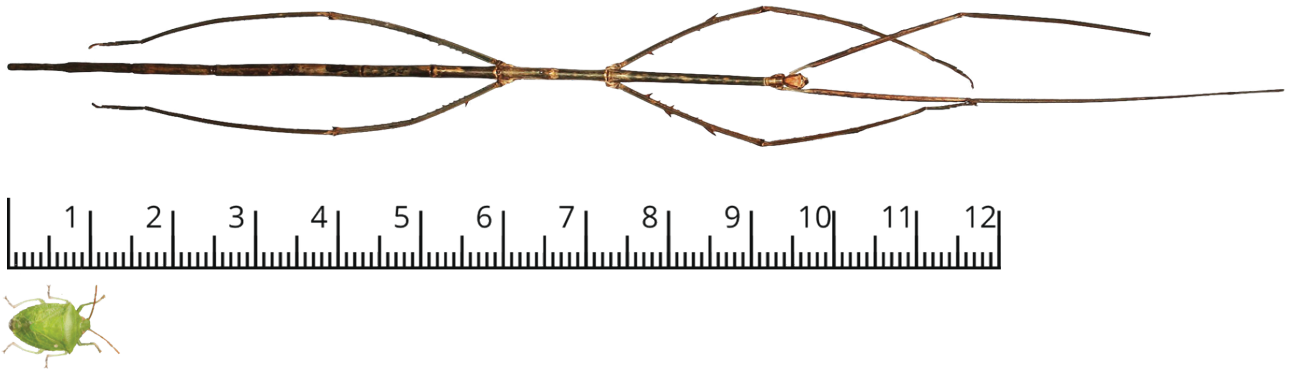
Meters and Centimeters

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.

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