Big, Strong, Fast

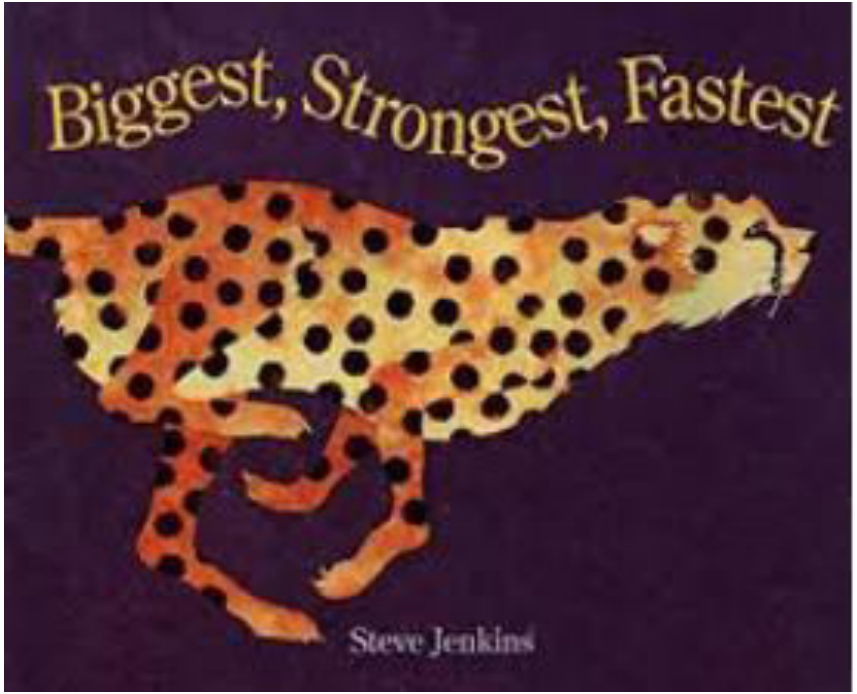
Module 1
Session 4

Today's Activities

- Read the story *Biggest*, *Strongest*, *Fastest*
- Explore various ways to measure

Biggest, Strongest, Fastest

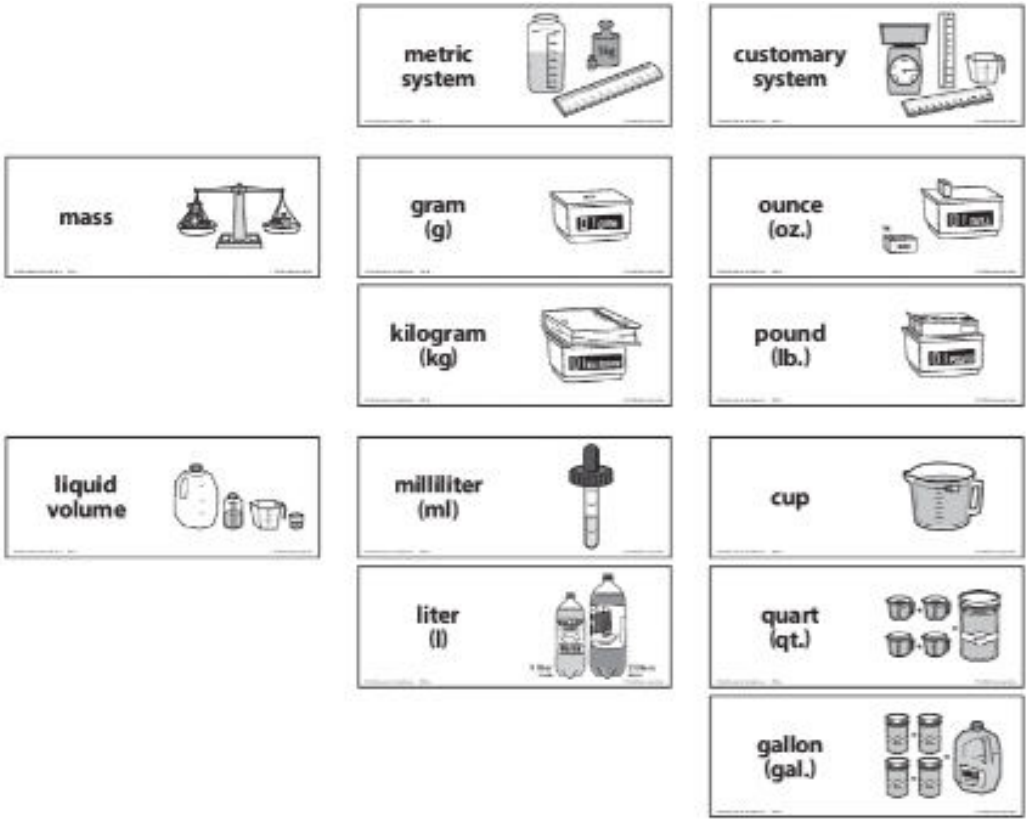
- *Why does the author use the benchmarks of the man and the hand to describe the animal?*
- *How does the animal compare to the benchmark?*
- *What other animals are close to the animal described on each page?*
- *Where would these other animals fit on the scale?*
- *Can you think of an animal that is half as.. or a quarter as.. or three times as…?*
- *Where is that on the scale? How many men or hands? Or where on the main, the hand… the top, middle, bottom?*
- **What other benchmarks could you use to compare animals?**



Measuring Weight

- When would you need to measure weight?

Two Systems of Measurement



Most of the world uses the metric system of measurement, which is considered the international system of measurement. The United States is one of the few countries that predominantly use the customary system. For this reason, products in stores in the U.S. are labeled with both systems of measurement. The metric system is often considered a simpler form of measurement because it uses the base ten system.

Where have you seen the metric and customary measures? When

Determining Weight

- How could you find out the weight of the book?
- Are the other objects you have heavier or lighter than the book?

- How could you find out the weight of the paperclips?
- Are the other objects you have heavier or lighter than the paperclip?

What other items might weigh the same as a gram and a kilogram?

One Gram (g)	One Kilogram (kg) = 1,000 grams
regular paper clip	book
dollar bill	baseball bat
grape	pineapple
peanut	bag of rice or sugar
	melon

Measuring Cups

- When have you used measuring containers before?
- Find the mark on the cup that shows 250 milliliters. How does this mark compare with the mark on the other side that shows 1 cup?
- 4 cups are in a quart and 1,000 milliliters are in a liter. Because 250 milliliters is just a little more than a cup, a liter is a little more than a quart.

Liters

- How much water do you think the container is holding? Use metric measures instead of customary.

Liters Continued

- The water is at the 1 liter mark. How many milliliters is that?
- How many of your filled containers would it take to equal the amount of water I have?
- Can you think of other things that might hold a liter?
- How much water does the large container hold? How do you know?
- How many of your filled containers would it take to fill the large container?

What's the Capacity?

- Think about the capacity of each picture.
  - Does it hold more or less than a liter?
  - About how many ___ would it hold?
  - How can you use your measuring container to help you guess?

- You will get to experiment with liquid volume in a few days, using your own containers.

Closing

- Share with a partner the things in the world that you think are the largest, smallest, hold the most capacity, and least capacity.

Home Connection:

Annie’s School Day on pages 63 & 64

Optional

Complete Alex Walks Home From School on page 110 in your student book.