Unit 4 Module 1 Session 4

Problems & Investigations-Measurement-Big, Fast, Strong

Getting Ready-

- ™ T9 What's the Capacity?
- Biggest, Strongest, Fastest Book
- Pattern Blocks (See Preparation)
- 1-Cup/250 ml measuring cups (1 per 3 students)
- 1-quart/1-liter measuring cup
- Tape measures (optional, one per 3 students)

Getting Ready Con't.

1 Teaspoon

1 Ping Pong Ball

1 Regular Paperclip Per Student

1 Book For Each Group of 3 Students

One 2-Liter Container (See Preparation)

Objects of Varying Mass (See Preparation)

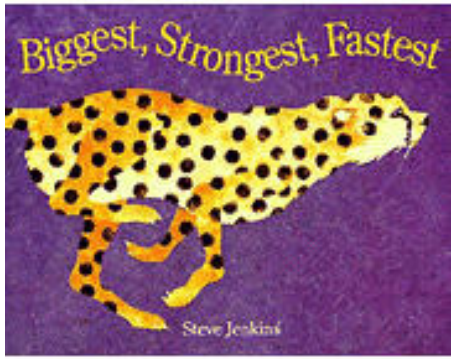
Chart Paper

Markers

Vocabulary

Benchmark
Capacity
Cup
Customary System
Gallon
Kilogram (kg)
Liquid Volume
Liter (l)
Mass
Metric System
Milliliter (ml)
Ounce (oz)
Pound (lb)
Quart (qt)
Referent
Weight

- Estimate liquid volume in milliliters
- Estimate liquid volume in liters; solve story problems involving addition of volume measurements given in liters
- Estimate mass in grams and kilograms



Stop book at the part about the Etruscan Shrew. Go to next slide.

Pass around the 

Does this give you a sense of how big the shrew is?

Place the  in the 

This blue rhombus from our pattern block pieces is about the same size as the teaspoon. Do you think we could use it as a comparison? Find a few blue rhombus in your pattern blocks, and place several of them in your hand. About how many shrews can your hand hold?

Pass around the 

What does this tell you about how much the shrew weighs?

Finish the book

When might you need to measure weight?

Introduce: kilogram, gram, pound, ounce and milliliter, liter, quart, cup, gallon, metric, U.S. customary

Pass out 3  and a 

How could you find out what each one weighs?

What are some other things that might weigh the same as these?

One Gram (g)	One Kilogram (kg)= 1,000 grams

Pass out the 

Have you used one of these before?

Find the mark that says 250 ml

Hold up the

How much water do you think this is holding?

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?

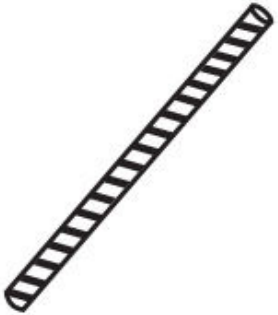
Can you think of other things that might hold a liter?

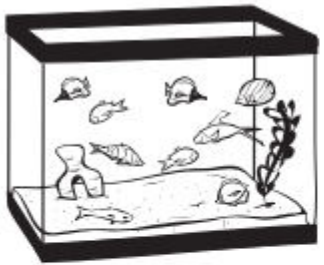
What's the Capacity?

About how much would they hold?


Milk
one pint






SODA

Work Places

2D Doubles Help

3A Round Ball Tens

3B Add & Round Tens

3C Round Ball Hundreds

3D Round & Add Hundreds

4A Tic-Tac-Tock

Daily Practice

SB 110 Alex Walks Home From School

Home Connection

HC 63-64 Annie's School Day