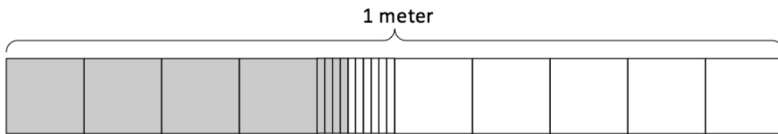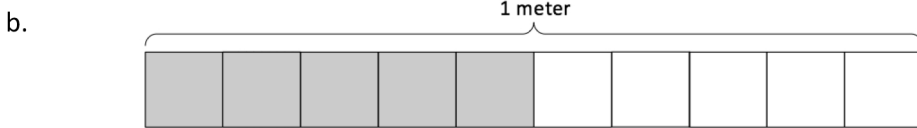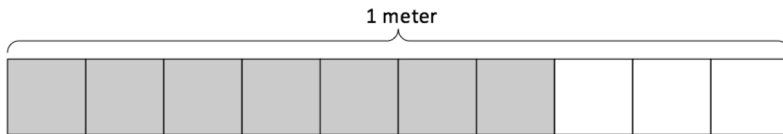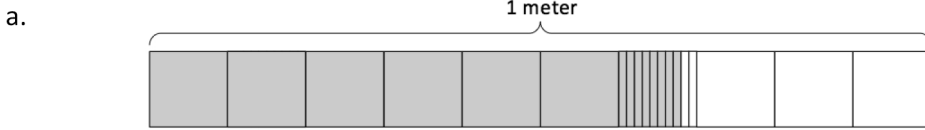Name _____   Date _____

1. Express the lengths of the shaded parts in decimal form. Write a sentence that compares the two lengths. Use the expression *shorter than* or *longer than* in your sentence.

   a.

   1 meter

   1 meter

   b.

   1 meter

   1 meter

   c.   List all four lengths from least to greatest.

2.   a.   Examine the mass of each item as shown below on the 1-kilogram scales. Put an X over the items that are heavier than the volleyball.

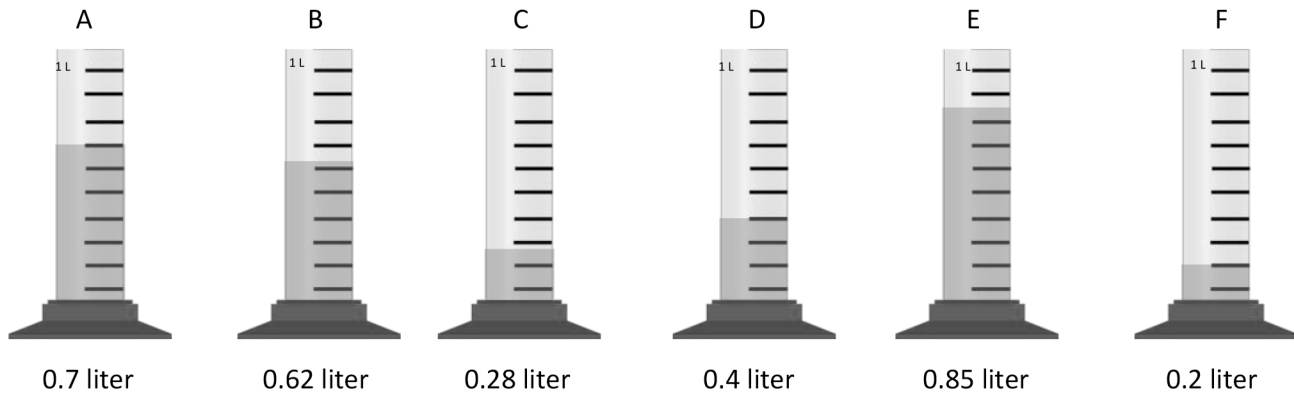| 0.15 kg | 0.62 kg | 0.43 kg | 0.25 kg |

b. Express the mass of each item on the place value chart.

	ones (kilograms)	•	tenths	hundredths
baseball				
volleyball				
basketball				
soccer ball				

c. Complete the statements below using the words *heavier than* or *lighter than* in your statements.

The soccer ball is _____ the baseball.

The volleyball is _____ the basketball.

3. Record the volume of water in each cylinder on the place value chart below.

A   B   C   D   E   F

1 L   1 L   1 L   1 L   1 L   1 L

0.7 liter   0.62 liter   0.28 liter   0.4 liter   0.85 liter   0.2 liter

Cylinder	ones (liters)	.	tenths	hundredths
A				
B				
C				
D				
E				
F				

Compare the values using >, <, or =.

a. 0.4 L _____ 0.2 L

b. 0.62 L _____ 0.7 L

c. 0.2 L _____ 0.28 L

d. Write the volume of water in each beaker in order from least to greatest.

Answer Key

1.   a. 0.68 m, 0.7 m; 0.7 meters is longer than 0.68 meters, or 0.68 meters is shorter than 0.7 meters

     b. 0.5 m, 0.44 m; 0.5 meters is longer than 0.44 meters, or 0.44 meters is shorter than 0.5 meters

     c. 0.44 m, 0.5 m, 0.68 m, 0.7 m

2.   a. Basketball and soccer ball (0.62 kg and 0.43 kg) crossed off

     b. 0.15; 0.25; 0.62; 0.43

     c. Heavier than; lighter than

3.   0.7, 0.62, 0.28, 0.4, 0.85, 0.2

     a. >

     b. <

     c. <

     d. 0.2 L, 0.28 L, 0.4 L, 0.62 L, 0.7 L, 0.85 L