

## At-Home Investigation

**Find 3 large containers.** How could you find out which one holds the most, without just pouring from one container into another, or by just looking?

**Adult note:** this requires use of a measuring object (e.g. coffee mug)

**My plan:** answer these questions

- What could I use to measure with? Draw some ideas and choose one.

- How will I make sure that I am measuring accurately?  
What would happen if I didn't measure all the way to the top?

**Carry out my plan:** follow these steps and answer the questions

- Measure your three containers. How much does each one hold? Show what you did.

**Apply your learning:** follow this step and answer the question

- Compare the containers. Put them in order by how much they hold. Explain how you did it.

## Comparing and ordering amounts

**Order your collections from the smallest to the largest amount.**

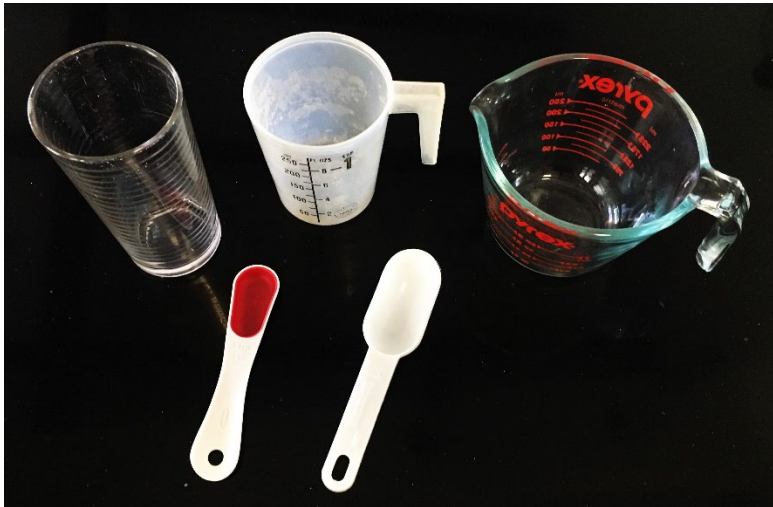
Write your number and draw the correct number of objects that you collected in the boxes below. The smallest amount should be at the top and the largest amount should be at the bottom.

Number	Drawing

## Investigating measuring instruments

**What measuring objects do you have in your kitchen or bathroom to measure capacity (how much a container holds)?**

Here are some ideas of what to look for:



You might also have special measuring cups or spoons for medicine.

**Draw a picture of some measuring instruments that you find:**

Try using one of them to measure how much a coffee cup or bowl will hold.

**Draw a picture to show what you did and write what you found:**

## Interleaved practice to talk about together

Number:

1. Draw 10 counters arranged as a rectangle.
2. Two flowers were growing. Each had 6 petals. How many petals altogether? Draw them.
3. What number comes before 9?

Measurement/Geometry:

4. Draw a picture of a big bowl from your house.
5. What time will it be when you go to bed?
6. Draw an object that rolls but is not a ball.

Chance/Data:

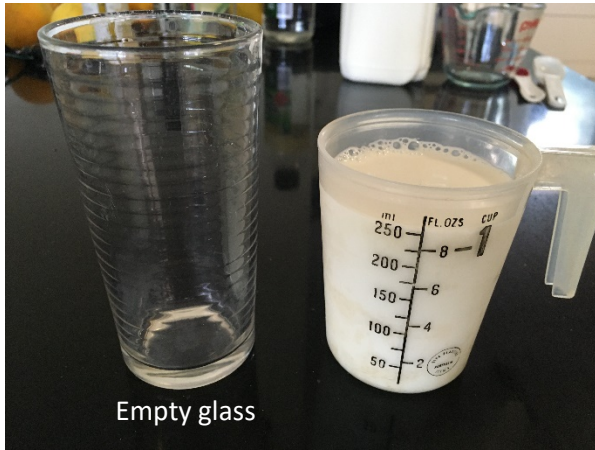
7. Do you have more plates or bowls in your kitchen? How many do you have of each?

Friday: Extension and Generalising Lesson

**Does the tallest glass hold the most water?**

Sometimes the tallest glass does not hold the most. Here is a picture of a measuring cup and a glass, with milk in the measuring cup.

The second picture shows what it looked like when the milk from the measuring cup was poured into the glass. They really are each holding one cup of milk.



Empty glass



Milk from the cup was poured into the glass

Which container looks like it should hold more?  
Does it actually really hold more? What is surprising?

Try this experiment using your own glasses, but use water instead of milk. Draw it:

Tall glass	Shorter glass

**What did you find?**