

# Home Connections

## Math Activities

### Grade 2

### Measurement

Measuring Shoes at Home  
A Cool Place to Measure  
Exploring Capacity at Home

## Measuring Shoes at Home

1. Ask your child to make a paper ruler like the one attached or cut out the one attached.
2. Have your child use the paper ruler to measure the lengths of different shoes in your home.
3. Have your child record the measurements on the attached sheet.



Constructing rulers helps to understand how a standard ruler is used to provide a measurement. Each section of the ruler are of equal size and is considered 1 unit.

## Let's Talk About It

- How did you measure shoes that were longer than your paper ruler?
- How did you know who had the longest shoe?
- How did you figure out who had the shortest shoe?
- Which shoe was the closest length to your shoe?

# Measuring Shoes at Home



_____ 's shoes is _____ units.
_____ 's shoes is _____ units.
_____ 's shoes is _____ units.

_____ has the longest shoe.
_____ has the shortest shoe.

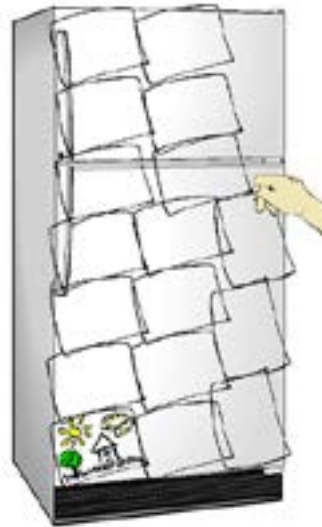


## Paper Ruler



## A Cool Place to Measure

1. Have your child draw a picture on a piece of rectangular paper.
2. Say "Let's pretend we have lots of pictures just like this one. How many do you think would fit on the refrigerator door? Have your child estimate the number.
3. Have your child find out the actual number of sheets of paper that fit by covering the door with papers (all the same size as their picture).



Area is the amount of space inside of a two-dimensional shape.

## Let's Talk About It

- How close was your estimate?
- How did you make your estimate?
- If the paper was smaller would we need the same, more, or less papers to fill the refrigerator door? Why?

# Exploring Capacity at Home

## Materials:

- Two different containers that are about the same size (for example, a coffee mug and measuring cup)



- A small scoop (for example, the cap of a bottle, small measuring cup)



- A pourable material (for example, water, sand)



1. Ask your child to estimate the capacity of each container by predicting the number of scoops that will be needed to fill it.
2. Then have him or her fill the container with scoops of the pourable material and count the number of scoops needed to fill it.

Capacity refers to the maximum amount that a container can hold.

## Let's Talk About It

- How close were your estimates to your predictions?
- Which container held the most?
- Which container held the least?