

Dear Parents,

Over the next few weeks, we will be learning about using **standard and non-standard units to measure length**. The information below will help you to support your child as they learn these exciting, yet important first grade math skills.

### The GOAL:

By the end of the unit, your child should be able to use **standard and non-standard units of measure to order, compare, and measure length**.

#### Non-Standard Units of Measurement

Children will learn how to measure different objects using non-standard units. Non-standard units are items that are typically used for measuring. Items include: your foot, a paperclip, inch tiles (see back to cut out), blocks, etc.



The crayon above measures 3 paperclips long.



Children will also have to estimate the total length of an object. How many erasers long is the pencil above?



#### Standard Units of Measurement

Children will learn how to measure different objects using standard units. In first grade, students learn to measure objects with a ruler using inches.



Cut the ruler out on the back of this page.  
How many inches long is the fork?

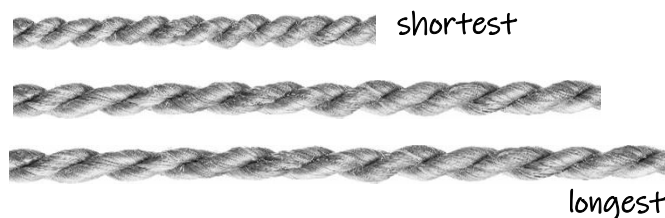
#### Compare Lengths

Children will learn how to compare lengths of different objects to determine which are the longest, shortest, or the same. Below are some examples of this skill.



#### Order Lengths

Children will also need to organize objects from shortest to longest or longest to shortest.





Grade 1 Math: PA Core Math Standards in Unit 4

CC.2.4.1.A.1: Order lengths and measure them both indirectly and by repeating length units.

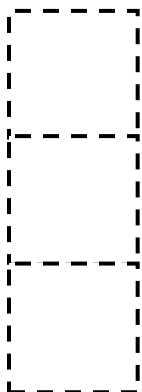
-- HOW YOU CAN HELP AT HOME --

- Use a ruler at home (or cut the one out on the bottom of this page) and find the length of different objects around your house
- Measure different objects using a ruler (with inches) or non-standard things (paper clips).
- Have your child find three different toys, books, etc., and order them from shortest to longest and longest to shortest.
- When in the community, have students compare how tall groups of signs are or how long different vehicles are.
- Have students figure out how long a bench is or a how long a floor mat is using their feet or another object.
- Figure out how many tiles long a book or a picture frame is using the squares below (cut them out).

-- KEY MATH VOCABULARY --

**Unit:** Any measurement that there is one of.

**Inches:** A standard unit of measurement.



Cut this ruler out and measure the fork on the front of this letter!  
Use this ruler to measure other things around your house!! Use the square tiles to the left to measure objects around your house too! Ask an adult for help!  
(This ruler may not be to scale based on how the image is printed.)

