



# Eureka Math Tips for Parents

Grade 1 • Module 3

## Ordering and Comparing Length Measurements as Numbers

In this 13-day module, students will use non-standard units to measure objects, and will compare and order objects by length. They will build conceptual understanding of the need for standard measurement units, beginning with centimeters.

## Grade Level Standards

1.OA.1, 1.MD.1, 1.MD.2, 1.MD.4

## Student Report Card

Understands measurements of data, length and time.

## Key Vocabulary



- Centimeter: standard length unit within the metric measurement system
- Centimeter Cube: Students will use centimeter cubes laid end to end to measure various objects. 
- Length Unit: the smaller units or objects used to measure a longer object
- Familiar Terms from past Modules: less than, more than, longer than, shorter than
- Students will use these phrases to compare up to three objects or amounts.

## How you can help at home:

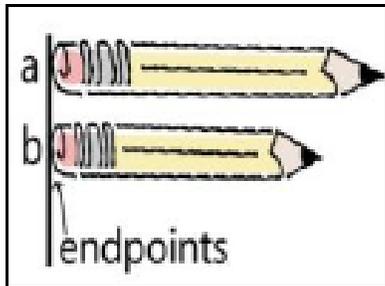


- Continue to practice adding and subtracting within 20.
- Give your student many opportunities to measure objects using other, smaller objects, e.g., “How many Lego pieces long is your book? How many blueberries long is this notebook?” etc.
- Keep track of your child's growth each month by measuring his/her height using standard and non-standard units of measurement.
- Talk about graphs in newspapers and magazines.
- Take a family survey and make a graph based on the data.
- Use toothpicks or Popsicle sticks to show tally marks.
- Create a bar graph based on the amount of time your child reads, plays outside, or watches television.
- Create a pictograph to show the number of hours of sleep or exercise your family gets each day.

# Models and Representations

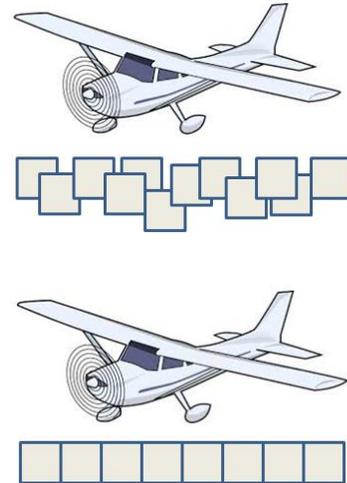
## Measuring Musts

It is important to line up the end points when comparing lengths.



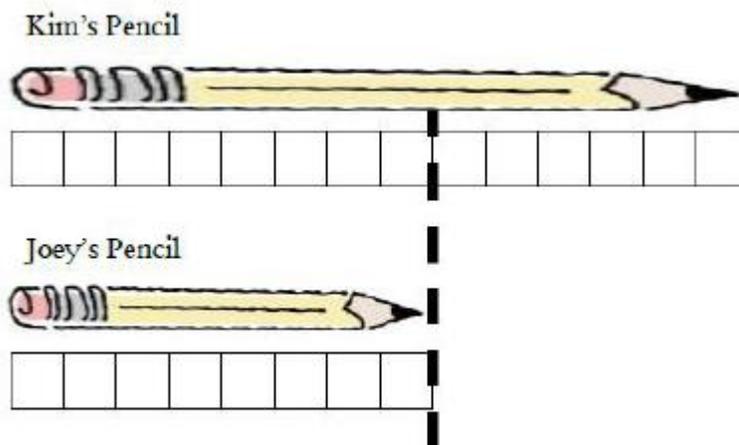
Pencil a is longer than Pencil b.  
Pencil b is shorter than Pencil a.

It is important that the cubes do not overlap.



The airplane is 8 centimeter cubes long.

Use the same form of measuring tool when comparing objects.



Students will be using the sentence frame: \_\_\_\_\_ is longer/shorter than \_\_\_\_\_.

*Kim has 6 more centimeter cubes than Joey, so Joey's pencil is 6 centimeters shorter than Kim's pencil.*