



Dear Second Grade Families,

In Unit 11, students will work on the following second grade Common Core standards in the Measurement and Data (MD) domain.

2.MD.1	Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.
2.MD.2	Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.
2.MD.3	Estimate lengths using units of inches, feet, centimeters, and meters.
2.MD.4	Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.
2.MD.5	Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.
2.MD.6	Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2, ..., and represent whole-number sums and differences within 100 on a number line diagram.

### Unit 11 Concepts:

- Choose an appropriate tool to measure length
- Measure & estimate length (US Customary & metric systems)
- Compare lengths
- Solve word problems

### Unit 11 Vocabulary

- US Customary System
- Metric System
- Ruler
- Yardstick
- Meter stick
- Measuring tape
- Inch, foot, yard
- Centimeter, meter
- Estimate



Ask questions like these to help your child become a productive mathematical thinker:

- Let's measure the length of your pinky finger. What tool should we use? About how many inches long is it? About how many centimeters?
- What tool would we use to measure how wide a window is? Why is that the best choice?
- Without measuring, about how long do you think a spaghetti noodle is? How do you know your estimate is reasonable?
- How tall is a box of cereal in inches? How tall is it in centimeters? Measure the width in inches and centimeters.
- Measure the height of another box of cereal. How much taller is one than the other? What equation could you write to show the difference? Show me on a number line.

Need a review? Check out our lesson videos on-line!

**[swunmath.com/student-videos](http://swunmath.com/student-videos)**

If you don't know the class's special name, ask your child's teacher.

We encourage you to talk with your child daily about what was learned in math class.

Thank you for your support!

# Measurement Chart



## Customary System



## Metric System



### Short Lengths



1 inch (in)

thumb

RULER



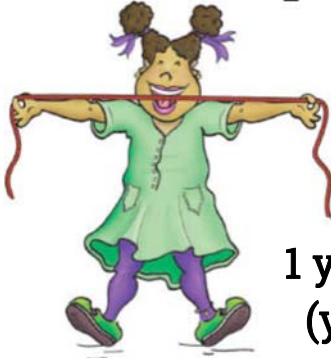
1 centimeter (cm)



pinky

### Medium Lengths

METER STICK



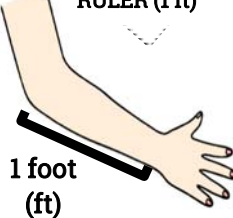
Arm Span

1 yard (yd)



YARDSTICK

RULER (1 ft)



1 foot (ft)



Arm Span

1 meter (m)

### Long Lengths



School Bus



MEASURING TAPE



TAPE MEASURE



School Bus