

Measure My Classroom

2nd Grade Math Project · School & Community

Grade 2 · Remedial

Name: _____ Date: _____ Class: _____

The Challenge

How big is our classroom world? Measure, estimate and compare real things around the room!

You will make: Measurement Line Plot Poster

I can…

- I can choose a tool and measure to the nearest whole unit.
- I can estimate and compare lengths.
- I can show measurements on a line plot.

Materials

- Ruler
- Yardstick or meter stick
- Measuring tape
- Pencil

Steps

1. Part 1: Estimate, Then Measure
2. Part 2: Two Units
3. Part 3: How Much Longer?
4. Part 4: Line Plot
5. Check your work and share your measurement line plot poster.

Look for the yellow Hint boxes. They show a first step.

Part 1: Estimate, Then Measure

Estimate first. Then measure to the nearest inch.

Object	Estimate	Measure (inches)	Measure (centimeters)
crayon			
book			
desk			

1. Which tool will you use for a book? For the classroom door? For around a globe?

Hint: Short: ruler. Medium: yardstick. Long or curved: measuring tape.

2. Measure a crayon. Start at 0. How long is it?

Hint: Line up the end with 0.

Part 2: Two Units

Measure the same book in inches and in centimeters.

3. Which number is greater: the inches or the centimeters? Why?

Hint: Which unit is smaller?

Part 3: How Much Longer?

The desk is 24 inches long. The book is 10 inches long.

4. How much longer is the desk than the book?

Hint: Subtract the lengths.

Part 4: Line Plot

The table shows pencil lengths in inches. Make a line plot.

Pencil	Length (inches)
1	5
2	6
3	6
4	7
5	7
6	7
7	8

5. Which length has the most pencils?

Hint: Find the tallest stack of X marks.

6. How much longer is the longest pencil than the shortest?

Hint: Longest − shortest.

7. How many pencils were measured?

Hint: Each X is one pencil.

Extension Challenge

Add your own pencil to the line plot. Does the most common length change?

How your project will be scored

Learning target	4 Exceeds	3 Meets	2 Approaching	1 Beginning
I can choose a tool and measure to the nearest whole unit.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can estimate and compare lengths.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can show measurements on a line plot.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can explain my thinking with pictures, numbers and words.	Clear for every part	Clear for most parts	Some explanation	Little explanation
My measurement line plot poster is complete and matches my math.	Complete, neat, accurate	Complete	Partly complete	Not complete