

Measure My Classroom

2nd Grade Math Project · School & Community

Grade 2 · Advanced

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. Part 5: Measure Check
6. Check your work and share your measurement line plot poster.

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?

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

Part 2: Two Units

Measure the same book in inches and in centimeters.

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

Part 3: How Much Longer?

The desk is 36 inches long. The book is 9 inches long.

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

Part 4: Line Plot

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

Pencil	Length (inches)
1	3
2	4
3	5
4	5
5	6
6	6
7	6
8	6
9	7
10	7
11	8
12	9

5. Which length has the most pencils?

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

7. How many pencils were measured?

Part 5: Measure Check

Explain your thinking.

8. Uma measured a ribbon from the 2 mark to the 9 mark and said it is 9 inches. What is its real length?

9. A table is 2 meters long. About how many centimeters is that? Explain.

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