



UNIT: MEASUREMENT

MEASURE & SORT!

GOAL:

You will measure and compare the lengths of everyday classroom items. Then, you'll sort and analyze the data to look for patterns and relationships between objects.

MATERIALS:

- ✓ Ruler (with **centimeters** and **inches**)
- ✓ (Optional) Digital or plastic **caliper** for precise measuring
- ✓ Small objects: pencil, eraser, spoon, stick, crayon, cube
- ✓ Measurement Recording Chart

STUDENT DIRECTIONS:

Step 1: Measure Your Objects

1. Pick one object at a time.
2. Use your **ruler** (or caliper) to measure:
 - **Length** (the longest side)
 - **Width** (the shorter side, if needed)
3. Record both measurements in **centimeters (cm)** and **inches (in)** in your chart.
 - Measure to the **nearest tenth** (e.g., 5.2 cm or 2.1 in)
 - Ask your teacher for help if you're unsure how to read the ruler!

Step 2: Complete the Measurement Chart

Use a chart like this to keep your data organized:

Object	Length (cm)	Length (in)	Width (cm)	Width (in)
Pencil				
Eraser				
Spoon				
Stick				
Crayon				
Cube				

Step 3: Sort the Objects

1. Now look at your chart.
2. Use your **length (cm)** column to **rank** your objects:
 - Line them up **from shortest to longest**.
3. If two items are the same length, place them side by side.

Analyze & Record:

Answer the following questions:

- Which object is the longest? _____
- Which is the shortest? _____
- Did any two objects have the same length? ☐ Yes ☐ No
If yes, which ones? _____
- What surprised you about your measurements or sorting?

STANDARDS ALIGNMENT

NGSS: 2-PS1-1 **STEL:** STEL 3A, STEL 4A, STEL 8A, STEL 11A **CCSS:** CCSS.MATH.CONTENT.2.MD.A.1, CCSS.MATH.CONTENT.2.MD.A.2, CCSS.MATH.CONTENT.2.MD.D.10, CCSS.MATH.PRACTICE.MP5, CCSS.MATH.PRACTICE.MP6