

Measurement Data & Line Plots

Today's Standard

3.MD.B4 - Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units—whole numbers, halves, or quarters.

Real-World Applications for this Standard

Measuring furniture dimensions; Tracking growth of plants; Recording weather data; Measuring ingredients in recipes; Building simple crafts or projects

Today I Learned

Today, we learned how to measure lengths using rulers that show halves and quarters of an inch. We also learned how to make a line plot to show our measurements.

Common Stumbling Blocks

Sometimes, kids think that rulers only measure whole numbers, but rulers can also show halves and quarters. Another tricky part is that line plots can show fractions, not just whole numbers.

Quiz Me

- What do we use to measure lengths?
- Can a ruler show halves and quarters?
- What is a line plot?
- Can line plots show fractions?
- Why do we use line plots?

Help Me

We use rulers to measure things. Sometimes, we need to measure very carefully, so we use the marks for halves and quarters. After we measure, we can make a picture called a line plot to show our measurements. This helps us see all our data clearly.