

GO MATH!

Chapter 8 – Length in Customary Units

Chapter Essential Question:

What are some of the methods and tools that can be used to estimate and measure length?

Chapter Vocabulary:

foot – a unit of length in the customary system of measurement; 1 foot = 12 inches

inch – a unit of length in the customary system of measurement

line plot – a graph that records each piece of data on a number line

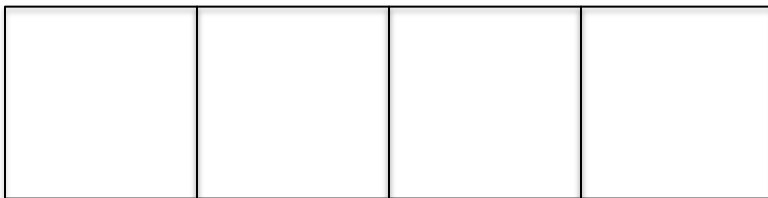
measuring tape – a tool that can be used to measure lengths and distances that are not flat or straight

yardstick – a tool that has marks to show three feet and can be used to measure lengths and distances greater than 12 inches

What should you know?

Measure Length with Inch Models

*Use 1 inch tiles to measure everyday objects.



Add and Subtract in Inches

The paper clip chain is 16 inches long. Ann removes 9 inches of paper clips from the chain. How long is the paper clip chain now?

$$16 - 9 = \underline{\quad}$$

Measure and Estimate in Feet

*12 inches is the same as 1 foot.

Measure every-day objects with a 12-inch ruler.
Estimate the length of every-day objects.

Estimate Lengths in Inches

*If the bead is 1 inch long, about how long is the line?



Choose the Right Tool

*You can use different tools to measure lengths and distances.

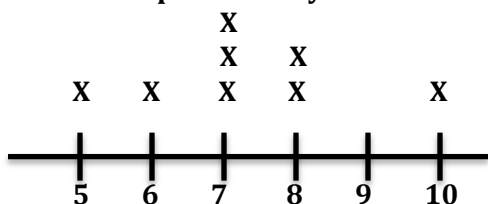
An **inch ruler** can be used to measure shorter lengths.

A **yardstick** shows 3 feet. It can be used to measure greater lengths and distances.

A **measuring tape** can be used to measure lengths and distances that are not flat or straight.

Display Measurement Data in a Line Plot

*A line plot is a way to show data.



Lengths of Paintbrushes in Inches

On this line plot, each X stands for the length of one paintbrush.

Measure with an Inch Ruler

*Line up the end of the object being measured with the zero mark on the ruler. Then, find the inch mark that is closest to the other end of the object being measured.

