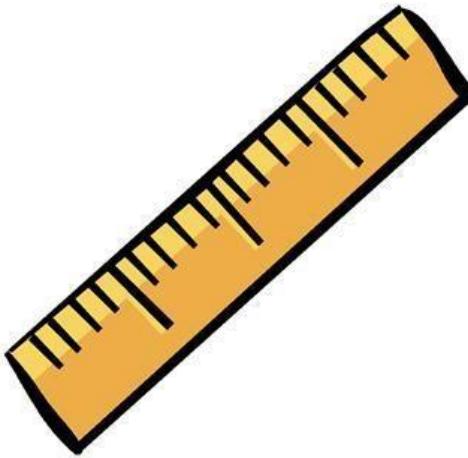


Eureka Math Tips for Parents

Grade 2
Module 2

Addition and Subtraction of Length Units

In this Module, we will be exploring the ruler, estimating and measuring lengths using various tools and units, and finally, relating addition and subtraction to length.



How You Can Help At Home

- ✓ Ask questions that encourage your student to estimate lengths of household items
- ✓ Continue to review adding and subtracting up to 20
- ✓ Practice measuring lengths longer than a ruler by marking and measuring from a mark
- ✓ Read *I'm the Biggest Thing in the Ocean*

Key Vocabulary:

Endpoint

Where something ends, where measurement begins

Hash mark

The marks on a ruler or other measurement tool

Number Line

A line marked at evenly spaced intervals

Estimate

An approximation of the value of a quantity or number

Tape Diagram

See back of this sheet!

Common Words in this Module:

Length
Combine
Difference
Meter

Height
Compare
Centimeter

Key Standards

- **Measure and estimate lengths in standard and non-standard units**

Examples:

- How many centimeter cubes long is my pencil?

- **Relate addition and subtraction to length**

Examples:

Line A is 4 cm long, and Line B is 7 cm long. Together, Lines A and B measure _____ cm.
In the example above, how much shorter is Line A than Line B?



Spotlight on Math Models:

Tape Diagrams

You will often see this mathematical representation in *A Story of Units*.

A Story of Units has several key mathematical “models” that will be used throughout a student’s elementary years.

The tape diagram is a powerful model that students can use to solve various kinds of problems. In second grade, you will often see this model as an aid to addition and subtraction problems. Tape diagrams are also called “bar models” and consist of a simple bar drawing that students make and adjust to fit a word problem. They then use the drawing to discuss and solve the problem.

As students move through the grades, tape diagrams provide an essential bridge to algebra. Below is a sample word problem from Module 2 solved using a tape diagram to show the parts of the problem.

Natalia, Chloe, and Lucas are making clay snakes. Natalia’s snake is 16 centimeters. Chloe’s snake is 5 centimeters shorter than Natalia’s. How long is Chloe’s snake?

Lucas’s snake is 3 centimeters longer than Chloe’s snake. Who has the longest snake: Natalia, Lucas, or Chloe?

