

# Unit 11 - Customary and Metric Lengths

Content Area: **Mathematics**  
Course(s):  
Time Period: **May**  
Length: **3-4 weeks**  
Status: **Published**

## Unit Overview

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Unit 11 connects with the theme of I Love Sports!. Students will be asked to specify units of measure throughout the chapter as they measure and compare the lengths of objects in customary and metric units. Students will also be asked to determine which measurement unit is appropriate for the degree of precision needed in different contexts.

## Essential Questions

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“How can I measure objects?”

## Content

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Inches

Feet and Yards

Select and Use Customary Tools

Compare Customary Lengths

Relate Inches, Feet, and Yards

Problem-Solving Strategy: Use Logical Reasoning

Centimeters and Meters

Select and Use Metric Tools

Compare Metric Length

Relate Centimeters and Meters

Measure on a Number Line

Measurement Data

## Skills

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Use an inch ruler to measure objects.

Measure objects to find the relationship between inch, foot, and yard.

Choose the appropriate tool and measure length.

Measure to compare customary lengths.

Use measurement to relate inches, feet, and yards.

Use logical reasoning strategy to solve problems.

Use a centimeter ruler to measure objects.

Measure objects to find the relationship between centimeters and meters.

Use measurement to compare metric length.

Use measurement to relate centimeters and meters.

Use a number line to measure.

Measure lengths to generate data.

## **Assessments**

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Online Readiness Quiz

Vocabulary Check

Concept Check - Check My Progress

Chapter Test

Teacher Observation

## **Lessons/Learning Scenarios**

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MyMath Grade 2

Chapter 11: Lessons 1-12

## **Standards**

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CCSS.Math.Content.2.MD.A.1

Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.

CCSS.Math.Content.2.MD.A.2	Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.
CCSS.Math.Content.2.MD.A.3	Estimate lengths using units of inches, feet, centimeters, and meters.
CCSS.Math.Content.2.MD.A.4	Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.
CCSS.Math.Content.2.MD.B.5	Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.
CCSS.Math.Content.2.MD.B.6	Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2,..., and represent whole-number sums and differences within 100 on a number line diagram.
CCSS.Math.Content.2.MD.D.9	Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.

## Resources

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MyMath Grade 2: McGraw-Hill (2012)

- ruler
- yardstick
- pencils
- shoes
- tape measure
- balls of yarn or string
- centimeter ruler
- meterstick
- various objects for comparisons
- calendar
- yard or meter measuring tape