

# Unit 4a-Measure Lengths

Content Area: **Mathematics**  
Course(s): **Math 1**  
Time Period: **Marking Period 4**  
Length: **MP 4 Topic 12 12-1 to 12-5**  
Status: **Published**

## Essential Questions

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- What are ways to measure how long an object is?

## Big Ideas

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- **Number Uses, Classification, and Representation:** Numbers can be used for different purposes, and numbers can be classified and represented in different ways.
- **Comparison and Relationships:** Numbers, expressions, measures, and objects can be compared and related to other numbers, expressions, measures, and objects in different ways.
- **Measurement:** Some attributes of objects are measurable and can be quantified using unit amounts.
- **Practices, Processes, and Proficiencies:** Mathematics content and processes can be applied to solve problems.

## CSDT Technology Connection

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8.1.2.DA.2 Store, copy, search, retrieve, modify, and delete data using a computing device.

## Enduring Understandings

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### Measurement and Data

1.MD.A Measure lengths indirectly and by iterating length units. [M]

1.MD.A.1 Order three objects by length; compare the lengths of two objects indirectly by using a third object. [M]

1.MD.A.2 Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. [M]

## **Mathematical Practices Focus**

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**MP.1 Make sense of problems and persevere in solving them.**

**MP.2 Reason abstractly and quantitatively.**

**MP.3 Construct viable arguments and critique the reasoning of others.**

**MP.4 Model with mathematics.**

**MP.5 Use appropriate tools strategically.**

**MP.6 Attend to precision.**

**MP.7 Look for and make use of structure.**

**MP.8 Look for and express regularity in repeated reasoning.**