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

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

Big Ideas

- 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

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

Enduring Understandings

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

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.