



1st Grade Unit 4: Meaningful Measurements



Overview:

Within this unit, students will use measurement tools to estimate, measure, describe and compare the measurement of objects with standard and non-standard units with appropriate vocabulary. Students will engage in explorations and hands-on activities to measure lengths of objects in non-standard units. They will also have opportunities to reason and make sense of attributes of objects by comparing, describing, and ordering up to 3 objects using length in non-standard units. Students will also explore measurement data by displaying and interpreting categorical data with up to 3 categories.

In this unit, students will also explore measurement with time and money. Students will be able to tell and write time in hours and half-hours using analog and digital clocks. Additionally, students will be expected to measure elapsed time to the hour on the hour using a predetermined number line. Lastly, students will engage in explorations and investigations involving money. Students will identify the value of quarters and compare the values of pennies, nickels, dimes, and quarters.

Learning Targets:

In Unit 4, students will:

- Develop an understanding of linear measurement
- Estimate lengths of objects using non-standard units
- Measure lengths as iterating length units without gaps or overlaps
- Compare and order up to three objects using measurements
- Describe objects compared
- Tell and write time to the hour and half hour using analog and digital clocks
- Measure elapsed time to the hour on the hour using a predetermined number line
- Identify the values of quarters
- Compare the values of pennies, nickels, dimes, and quarters
- Ask questions and answer them based on gathered information, observations, and appropriate graphical displays to compare and order whole numbers.

Key Vocabulary: (linked to GA DOE Interactive Glossary)

Analog	Compare	Digital	Estimate
Hour	Hands (clock)	Length	Minute
Measure	Non-standard unit	Iteration	a.m./p.m.
Quarter	Nickel	Penny	Dime

Supporting Resources:

<http://ctlslearn.cobbk12.org/>

<https://toytheater.com/telling-time/>

<https://gavirtual.instructure.com/courses/34716#modules>

<https://apps.mathlearningcenter.org/money-pieces/>