

Title: Measurement Conversion

Brief Overview:

Students will explore the relationship between various units of measurement including inches to feet, feet to yards, and inches to yards. They will develop their understanding through the creation and use of a function table. They will then be able to calculate and determine equivalent units of measure and apply them to real world situations.

NCTM Content Standard

Measurement

- Carry out simple unit conversions within a system of measurement.
- Understand the need for measuring with standard units and become familiar with standard units in the customary system.

Algebra

- Represent and analyze patterns and functions, using words, tables, and graphs.

Grade/Level:

4th Grade.

Duration/Length:

4 Days, one of which is used for an assessment.

Student Outcomes:

Students will:

- Understand the need for measuring with standard units and become familiar with standard units in the customary systems.
- Students will be able to carry out simple unit conversions within the standard system of linear measurement.
- Create and use representations to organize, record, and communicate mathematical ideas.
- Represent and analyze patterns and functions, using words, tables, and graphs.

Materials and Resources:

Lesson 1

- Rulers (class set)
- Calculators (as needed)
- Teacher Resource Sheet 1 Index Card Match one set per group
- Teacher Resource Sheet 2: Balloon picture
- Teacher Resource Sheet 3: Example Function Table (overhead or chart paper)
- Student Resource Sheet 1: Blank Function Table one per pair.
- Teacher Resource Sheet 4: Blank Function Table Answer Key.
- Teacher Resource Sheet 5: Re-teach Example (for teacher use)
- Twelve Snails to One Lizard by Susan Hightower