

3rd Grade Math

Content Area	Math
Unit Title/Topic	Measurement and Data
Course/Grade Level	3 rd Grade
Unit Summary	Students focus on Solving problems involving measurement and estimation, Representing and interpreting data, Geometric measurement: understanding concepts of area and relate area to multiplication and to addition, and Geometric measurement: recognizing perimeter.
Time Frame	weeks

Desired Results

Priority Standards:

- CCSS.Math.Content.3.MD.A.1 Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.
- CCSS.Math.Content.3.MD.B.3 Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs. For example, draw a bar graph in which each square in the bar graph might represent 5 pets.
- CCSS.Math.Content.3.MD.B.4 Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units— whole numbers, halves, or quarters.

Supporting Standards:

- *CCSS.Math.Content.3.MD.A.2 Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l).1 Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem.2*
- *CCSS.Math.Content.3.MD.C.5 Recognize area as an attribute of plane figures and understand concepts of area measurement.*
- *CCSS.Math.Content.3.MD.C.6 Measure areas by counting unit squares (square cm, square m, square in, square ft, and improvised units).*
- *CCSS.Math.Content.3.MD.C.7 Relate area to the operations of multiplication and addition.*

Continuous Foundational Standards:	
Nebraska State Standard	
<ul style="list-style-type: none">• MA 3.2.5e Identify the appropriate customary unit for measuring length, weight, and capacity/volume.• MA 3.2.5g Compare and order objects according to length using centimeters and meters.• MA 3.3.1a Identify, describe, and extend numeric and non-numeric patterns.• MA 3.3.2a Model situations that involve the addition and subtraction of whole numbers using objects, number lines, and symbols.• MA 3.4.1a Represent data using horizontal and vertical bar graphs.• MA 3.4.1c Interpret data using horizontal and vertical bar graphs.	