

Grade 3, Unit 6: Measurement

Unit Review

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Standards:

Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

MGSE3.MD.1 Tell and write time to the nearest minute and measure elapsed 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, drawing a pictorial representation on a clock face, etc.

MGSE3.MD.2 Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). 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.

Represent and interpret data.

MGSE3.MD.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.

MGSE3.MD.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.

Students should be able to:

- Read an analog clock and **accurately** depict where the BOTH the hour hand and minute hand go on an analog clock.
- Solve elapsed time word problems using a number line, with any part of the problem missing. E.g. Start time, End time, or elapsed time.
- Estimate and measure mass using the units of grams (g) and kilograms (kg).
- Estimate and measure capacity using the units of liters (L) and milliliters (mL).
- Know that the units for mass and weight are grams and kilograms, and the units for capacity and volume are milliliters and liters.
- Read and interpret data from a bar graph.
- Create a bar graph using data that includes a title, labels, and a scale that goes up by 1s, 2s, 5s, or 10s.
- Measure length to the nearest quarter of an inch.
- Create a line plot and include a title, subtitles, and data.

****Students can study by looking in their math journal, reviewing number talk problems, and reviewing videos on Google Classroom.***