

Measurement and Data

Grade 1

Vocabulary Words Your Student Will Learn

Data: Information collected and used to analyze a specific concept or situation

Bar Graph: A graph that uses horizontal or vertical bars to display data

Picture Graph (Pictograph): A graph that uses pictures or symbols to show data

Key: Tells the value of each picture on a picture graph

Tally Marks: A mark used to record data collected in a survey

Hour: A period of time lasting 60 minutes

Half-hour: A period of time lasting 30 minutes

Analog clock: A clock that shows time by moving hands around a circle for hours, minutes, and sometimes seconds

Digital clock: A clock that shows time to the minute using digits

Length: The distance between two point or objects

Non-Standard Units of measurement: Any real item that can be used to measure. Examples include paperclips, cookies, pennies, or yarn

Standard Units of measurement: A traditional unit of measurement from the metric or customary system. Examples include inches, grams, pounds, cups, and liters

What Your Student Will Learn:

- ◆ Order three objects by length.
- ◆ Tell the length of an object with a whole number of units.
- ◆ Tell and write time in hours and half-hours.
- ◆ Organize, represent, and interpret data with three categories.

Everyday Activities You Can Do At Home:

- ◆ Measure the length of various items around the house using different objects (crayons, pennies, etc.)
- ◆ Keep track of your child's growth each month by measuring his/her height using standard and non-standard units of measurement.
- ◆ Use an analog clock to show the time to the hour and half-hour.
- ◆ Show your child the time on an analog clock and have them write what the time would look like on a digital clock.
- ◆ Talk with your child about specific times that activities occur- eating breakfast, going to school, dinner time, bed time, etc.
- ◆ Talk about graphs in newspapers and magazines.
- ◆ Take a family survey and make a graph based on the data.
- ◆ Use toothpicks or popsicle sticks to show tally marks.
- ◆ Create a bar graph based on the amount of time your child reads, plays outside, or watches television.
- ◆ Create a pictograph to show the number of hours of sleep or exercise your family gets each day.