

# Measurement and Data

## Grade 2

### Vocabulary Words Your Child Will Learn

**Inch:** a customary unit of length

**Yard:** a customary unit of length equal to 36 inches or 3 feet

**Foot:** a customary unit of length equal to 12 inches

**Centimeter:** a metric unit of length, about the width of your finger

**Meter:** a metric unit of length equal to 100 centimeters

**Estimate:** a number close to an exact amount

**Length:** the distance from one point to another

**Equation:** a number sentence with an equal sign, the amount on one side of the equal sign has the same value as the amount on the other side

**Number Line:** a diagram that represents numbers as points on a line

**Analog Clock:** a clock with numbers 1 to 12 around the face and rotating hands to show the hour, minutes, and seconds

**Digital Clock:** a clock that uses numerals only to show the time

**Minute:** a unit of time equal to 60 seconds

**Hour:** a unit of time equal to 60 minutes

**Quarter Hour:** a unit of time that measures fifteen minutes

**Half Hour:** a unit of time that measures thirty minutes

**Half Past:** thirty minutes past the hour

**Penny:** a coin worth 1 cent

**Nickel:** a coin worth 5 cents

**Dime:** a coin worth 10 cents

**Quarter:** a coin worth 25 cents

**Data:** Information that has numbers

**Line Plot:** a graph showing frequency of data on a number line

**Table:** an organized way to list data

**Bar Graph:** a graph that uses the height or length of rectangles to compare data

**Picture Graph:** a graph that uses pictures to show data

### What Your Student Will Learn:

- ◆ Measure the length of an object by selecting and using appropriate tools
- ◆ Measure the length of an object twice, using length units of different lengths
- ◆ Estimate lengths using inches, feet, centimeters, and meters.
- ◆ Measure to compare two objects.
- ◆ Use addition and subtraction to solve word problems with lengths.
- ◆ Show whole numbers, sums, and differences on a number line.
- ◆ Tell and write time to the nearest five minutes.
- ◆ Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies.
- ◆ Gather measurement data and show it on a line plot.
- ◆ Draw a picture graph and a bar graph to show data with up to four categories.

### Everyday Activities You Can Do At Home:

- ◆ Look at a TV guide and locate the time a favorite show starts. Have your child find that time on an analog clock.
- ◆ Look through an ad in the paper to locate an item your child would want (less than \$10). Have your child count out that much money, then ask them to make change from a \$10 bill.
- ◆ Have your child pick out two or three items in an ad, then add the amounts together to see how much the items would cost altogether.
- ◆ Estimate the lengths of various objects around the house, such as a table, a book, a toothbrush, etc. Next, Measure the same objects using a ruler with inches and centimeters to compare the estimate to the actual length.
- ◆ Measure the four sides of a square or rectangular table using inches, and then add the four sides together to find out how long the table is around.
- ◆ Measure two different book lengths using centimeters. Compare the two lengths and determine how much longer one book is than the other.
- ◆ Give your child various amounts of money to count, using dollars, quarters, dimes, nickels, and pennies.
- ◆ Survey various family members about their favorite sport, color, ice cream flavor, or pizza topping. Create a bar graph to show the data.