

Welcome to Third Grade Module 6. In Module 6, students will work with a data set to draw picture and bar graphs. They will use their knowledge of measurement to draw a scale for their graphs. Then they will use the graphs to solve word problems. Students will also work with rulers and line plots, where the scale might be whole numbers, halves or even quarters.

Important Words and Concepts

- Axis: vertical or horizontal scale in a graph
- Frequent: most common measurement on a line plot
- Measurement data: e.g. length measurements of a collection of pencils
- Scaled graphs: bar or picture graph where the scale uses units with a value greater than 1
- Survey: collecting data by asking a question and recording responses
- Line plot: display of measurement data on a horizontal number line

Multiplication and Division within 100

Fluency of multiplication and division facts, up to 100 will continue to be stressed in third grade. In this module, students will be working with fractions from the previous module. Students need to be fluent in counting by 2s or 5s in order to think about adjusting their scales to fit their graphs.

KEY STANDARDS

- Draw a picture graph and bar graph to represent a data set. Make sure the scale is correct (for example, *draw a bar graph in which each square in the bar graph might represent 5 pets*).
- Solve one and two-step problems using information in a bar graph. Problems will be “how many more” and “how many less”
- Measure lengths using rulers marked with halves and fourth of an inch.
- Show data in a line plot.

Graphics and Strategies you may see...

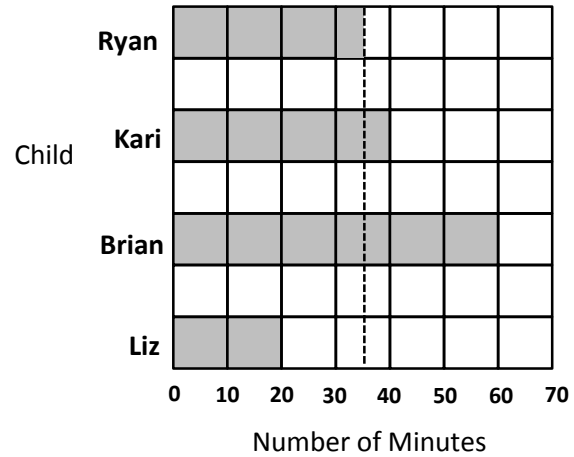
Line Plot

Number of Children in Third-Grade Families



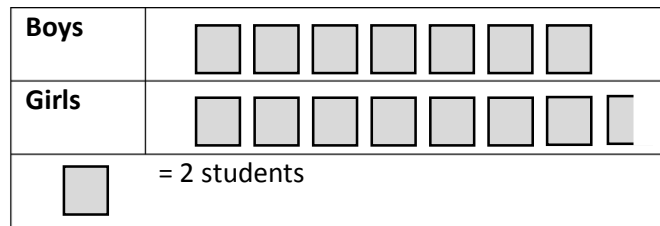
Bar Graph

Number of Minutes Spent Practicing Piano



Picture Graph

Students in Mr. Fiore's Class



Students will work with rulers that have half and quarter inch measurements.

