



FIRST GRADE MATHEMATICS – Unit 5

Dear Parents,

During Unit 5, your children will develop an understanding of the meaning and processes of measurement. This includes comparing the lengths of objects when you can put them side by side or using another object to compare the lengths of two objects. For example, using your arms to measure the width of a doorway compared to the width of the refrigerator that you need to move through the doorway. The students will use informal units such as paper clips or tiles to measure the length of an object. They will also learn to tell time to the hour and half hour on a digital and analog clock.

MEASUREMENT

Your children need to:

- Measure length with nonstandard units (paper clips, toothpicks, unifix cubes, eraser length...) to understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps.
- Order three objects by length.
- Compare the lengths of two objects indirectly by using a third object (concept of transitivity – a is shorter than b and b is shorter than c, so a is shorter than c).
- Use tools to measure time to the hour and half hour intervals
- Apply knowledge of fractional wholes and halves to telling time.
- Compare the same time on analog and digital clocks to measure time to the hour and half hour.
- Gather and collect data to answer questions
- Interpret data contained in picture graphs using a variety of categories with 1:1 intervals
- Collect, organize, display and interpret data using tally charts, picture graphs, bar graphs and tables.

WAYS PARENTS CAN HELP

- Have your child measure the length of an object by using nonstandard units (paper clips, toothpicks, cereal, candy...) and help them to understand that the measurement is the total number of nonstandard units that are placed along the length so that they are touching, leaving no gaps or overlaps.
- Compare the lengths of three household objects such as crayons, pencils and markers.
- Compare the lengths of two objects indirectly by using a third object (a is longer than b and is longer than c so a is longer than c).
- Tell time to the hour and half hour using an analog clock and digital clock.
- Compare the time on an analog clock to the time on a digital clock (to the hour and half hour).

KEY VOCABULARY

Analog clock	Measure
Compare	Minute
Data	More
Digital Clock	Non-standard
Fewer	Order
Half-hour	Standard
Hour	Time
Iterating	Unit
Length	