



Family & Community Guide

SECOND GRADE MATH

KEY CONCEPTS & SKILLS

Numbers & Operations

- Count forward and backward within 120
- Skip count by 5s
- Read and write numbers up to 100
- Place value and comparison of two-digit numbers
- Add two-digit and one-digit numbers within 100
- Subtract 10s within 100
- Mentally add/subtract by 10s
- Separate circles/rectangles into two or four equal parts

Algebraic Reasoning

- Automatically add and subtract within 10
- Addition word problems within 20
- Subtraction word problems within 20
- Separate numbers within 20
- Understand symbols: +, -, and =
- Identify, create, and complete patterns

Geometry & Measurement

- Identify and name 2D and 3D shapes
- Combine multiple 2D or 3D shapes to create a solid/shape
- Measure with non-standard units
- Compare the length of 3 objects
- Tell time to hour and half hour
- Identify and count money up to \$1.00

Data, Probability, & Statistics

- Collect data using pictures and bar graphs
- Answer data questions

EXAMPLES OF CLASSROOM LEARNING

- Practicing reading & writing numbers 1-100
- Playing counting games
- Drawing pictures of combining/taking away
- Dot to dot pages
- Mentally solving problems adding or subtracting 10
- Drawing pictures of circles/rectangles cut in halves or fourths

- Exploring the +, -, and = symbols by writing out equations (e.g., $9+7=9+6+1$)
- Using connections between addition and subtraction to solve problems (e.g., if $5+7=12$, then what is $12-7=5$)

- Creating pictures by combining 2D shapes
- Building using 3D shapes
- Practicing naming coins
- Using analog clocks to practice telling time to the hour and half hour

- Collecting data from their classroom to make graphs (picture or bar graphs)
- Creating data questions based on their graphs

HOW CAN YOU HELP AT HOME?

- Build fractions using pizzas or pie
- Measure the table in more than one unit of measurement
- Identify 2D and 3D shapes around the house
- Practice counting dollars and coins
- Use analog clocks to help them tell time
- Using a bag of candy (skittles, M&Ms), separate the colors and create a graph of the data