

Hello 2nd Grader!

These are the directions for you to work on math at home. Please use this checklist as a guideline for math. These activities compliment what would have been completed during in school sessions. All of the page numbers below are found in the Home Connections Workbook.

### Unit 6 - Geometry

Over the course of this unit, students investigate two-dimensional shapes, fractions (halves and fourths), congruence, symmetry, and transformations (slides, flips, and turns) using a variety of tools and models. There is a strong emphasis on identifying, describing, constructing, drawing, comparing, contrasting, and sorting various types of triangles and quadrilaterals, as well as other shapes, throughout the unit. The first grade focus on composing and decomposing shapes resurfaces at a more sophisticated level in Modules 2–4 as students are introduced to concepts of tiling a plane (tessellating) and finding the areas of shapes by counting the number of units it takes to cover them without leaving any gaps or holes.

✓	Pages	Activity/Description
March 2-6		
	129-130	Place Value on Wheels
	131-132	Last Shape in Wins
	133-134	Facts and Shapes
March 9-13		
	135-138	Sorting Quadrilaterals
	139-140	Three- Dimensional Shape Sort
March 16-20		
	141-142	Missing Numbers
	143-144	Halves, Bowls & Vans
	145-146	Half and Half
March 23-27		
	147-148	Halves and Extra Halves
	149-150	Exploring Symmetry

### Unit 7 - Measurement, Fractions & Multi-Digit Computation with Hungry Ants

This unit addresses metric measurement, fractions, and multi-digit addition and subtraction, set in the context of army ants, picnic ants, and imaginary ants who enjoy toys as much as second graders do. In Module 1, students discover that the average length of a worker army ant is 1 centimeter, make army ant rulers similar to the inchworm rulers they made in Unit 4 and use their new rulers to measure in metric units. In Module 2, an amusing children's book about ants serves as a springboard for investigating division and fractions. Modules 3 and 4 feature a new set of story problems that revolve around a toy store for ants.

✓	Pages	Activity/Description
March 30-April 3		
	151-152	Different Ways to Look at Money
	153-154	Ants and Hotdogs

	155-156	Subtraction & Measuring Practice
April 6-10		
	157-158	More Ant Stories
	159-160	Fraction Races & More
April 13-17		
	161-164	Twice as Big?
	165-166	Numbers & Buttons
	167-168	Fraction & Money
April 20-24		
	169-170	Equations & Story Problems
	171-172	Cleaning Desks & Measuring Lines

### Unit 8 - Measurement, Data & Multi-Digit Computation with Marble Rolls

This unit provides a review of place value and three-digit computation in Module 1. Modules 2, 3, and 4 focus on data collection and analysis. In Module 2, students are introduced to a project in which they make cardboard ramps of different kinds to investigate some of the factors that cause marbles to roll farther and faster. After their initial explorations, students conduct formal experiments to test several different variables. In the process, they generate data by measuring marble roll distances multiple times, pool their data, and enter it on line plots to better see, understand, and analyze how manipulating the different variables affects the outcomes. The unit concludes with student-conducted surveys, in which students generate questions on topics of their choosing, gather, organize, and analyze the data, and share their findings with others.

✓	Pages	Activity/Description
April 27-May 1		
	173-174	Estimation Problems
	175-176	Riddles and Toys
	177-178	Comparing Numbers & Sharks' Lengths
May 4-8		
	179-180	Meters & Math
	181-182	Numbers, Clocks, & Crayons
	183-184	Combinations & Crayons
May 11-15		
	185-186	Equations, Expressions & Toys
	187-188	Addition, Subtraction & Fraction Practice
May 18-22		
	189-190	Comparing Animal Weights
	191-192	Number Patterns

