

Hello 4th 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 - Multiplication & Division, Data & Factions

The instruction in Unit 6 is designed to help students understand, in ways that are both deep and robust, the many connections between multiplication and division. Each module in the unit is rich with opportunities to model and solve problems, share and explain strategies, play games, and apply computational skills and concepts in a variety of contexts.		
✓	Pages	Activity/Description
March 2-6		
	111-112	Area & Perimeter Story Problems
	113-114	Fraction Stories
	115-116	Conrad's Room
	117-118	Paloma's Picture
March 9-13		
	119-120	Frankie's Playground
	121-122	Perimeter & Area
March 16-20		
	123-124	Roe Climb Results & Skills Review
	125-126	Bakery yBundles
	127-128	Danny's Data
March 23-27		
	129-130	Unit 6 Review

### Unit 7 - Reviewing & Extending Fractions, Decimals & Multi-Digit Multiplication

Unit 7 reviews and extends skills and concepts in several areas that are foundational to the major work of fourth grade. In the first two modules, students refine their skills at recognizing and generating equivalent fractions, as well as comparing fractions with unlike denominators using visual models, benchmarks such as one half, and rewriting to share common denominators. In the latter half of the unit, students review some of the strategies they have developed for multi-digit multiplication over the year and explore the standard multiplication algorithm.		
✓	Pages	Activity/Description
March 30-April 3		
	131-132	Conversion Tables
	133-134	Multiplication Review & Fraction Comparisons

	135-136	Sketch & Compare
April 6-10		
	137-138	Fraction Action
	139-140	Decimals on the Number Lines & Grids
April 13-17		
	141-142	Standard Algorithms
	143-144	Choose Your Strategy
April 20-24		
	145-146	Variables & Expressions
	147-148	Unit 7 Review

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

In this final unit of the year, students design and build scaled model playgrounds that incorporate simple machines. They investigate simple machines in playground equipment and conduct research to help them make decisions about safety issues. They then survey the school community to find the most important playground items to use in their designs and use graphs to visualize the data they collect. Students use the information to create a scaled map of their designs, from which they build a scaled 3-D model. They also discuss the needs of plants and plant a model grass field in preparation for finding the scaled measurements and cost for planting a much larger field. They work with mass, liquid volume, area and perimeter during this portion of the unit. An optional Playground Model Showcase gives students an opportunity to prepare their work for sharing with friends and family members or students from other classrooms.

✓	Pages	Activity/Description
April 27-May 1		
	149-150	Another Grassy Field
	151-152	Ten-Foot Seesaw
	153-154	Circle Explorations
May 4-8		
	155-156	Most Important Items
	157-158	Pricing Playground Equipment
May 11-15		
	159-160	Measurement & Decimal Review
	161-162	Drawing the Playground
	163-164	Playground Map
May 18-22		
	165-166	Designing Playground Equipment

