

## Second Grade Math

## Helena Public Schools

### Teacher Resource Guide

Key: Shaded/bolded rows – mastery levels expected and assessment required.  
 Appropriate vocabulary to be taught within each standard-see attached (insert web address). Refer to grade level One Pager for standard details (insert web address).

### Suggested Use:

Teacher/Curriculum Road Map  
 Faculty Meetings  
 Departmental Meetings  
 Grade-Level Meetings

**Essential Learning Expectations (ELE's/Critical Competencies) should be addressed in contexts that promote problem solving, reasoning, communication, making connections and designing and analyzing representations.** *Curriculum Focal Points for Prekindergarten through grade 8 Mathematics – NCTM – National Council for Teachers of Mathematics*

Content Standard State Established Benchmark	Critical Competencies At the end of second grade, a proficient student will:	Projected Delivery Window	Need for Resources or Instructional Strategies	Professional Development Needs
<b>STANDARD 1</b>	<b>NUMBERS AND OPERATIONS</b>			
1.1	understand place value to one-thousand			
1.1	write expanded form for numbers to one-thousand			
1.3	fluent with addition facts to 18 and subtraction to 12			
1.3	add 3 one-digit number to 18			
1.4	identify 1/2			
1.4	explore 1/3, 1/4			
1.4	identify and give value of a quarter			
1.4	count coins to one dollar			
1.5	read Fahrenheit thermometer to the nearest ten degrees.			
1.5	explore reading Celsius thermometer			
1.5	tell time to the nearest quarter hour			
1.5	use the calendar daily			
<b>STANDARD 2</b>	<b>DATA ANALYSIS, PROBABILITY, AND STATISTICS</b>			
2.1	collect, organize and display data (bar and line graphs)			
2.1	conduct simple surveys and interprets results			
2.1	explore probability using the terms likely, unlikely, certain, and possible			
<b>STANDARD 3</b>	<b>GEOMETRIC REASONING</b>			
3.1	model and classify attributes of 2-dimensional shapes			
3.1	find other shapes within one shape (e.g., a square can be made up of two triangles)			
3.3	explore attributes of 3-dimensional shapes			
3.4	identify vertical and horizontal lines of symmetry in 2-dimensional shapes			
3.5	explore metric measurement			
3.5	measure to the nearest inch accurately			
<b>STANDARD 4</b>	<b>ALGEBRAIC AND FUNCTIONAL REASONING</b>			
4.1	recognize, describe, extend, create a variety of patterns using numbers and shapes			
4.1	recognize, complete, and extend skip count patterns			
4.2	identify an odd/even number			
4.3	solve for missing addends to 18			
4.3	solve for missing subtrahends to 12			
4.4	understand equivalency (more, less, greater than, equal to)			