2nd Grade Math Parent Guide

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Units/TEKS Process Standards 2.1ABCDEFG and Personal Financial Literacy Standards 2.11ABCDEF through every unit TEKS		Continue Unit 3 Unit 4: Data and Graphs 2.10ABCD	Unit 2: 2D and 3D and their Attributes 2.8ABODE Unit 7: Fractions 2.3ABOD, 2.6B, 2.8E Unit 6: Place Value to 100, Addition and Subtraction of 2-digit numbers 2.2ABODEF, 2.4ABC, 2.5AB, 2.6A, 2.7BC, 2.9C	Unit 8 2.4ABCD, 2.7BC Unit 5: Patterns, Multiplication Concept, and Tables 2.6AB, 2.9F Unit 9: Measurement 2.9ABDEF Personal Financial Literacy 2.11ABCDEF
Topic Focus	decomposing numbers. Students also work with the operations of addition and subtraction, developing strategies for comparing, combining, and doubling quantities, as well as taking one quantity away from another. <u>Unit 3:</u> The mathematical focus of this unit is on using what you know (e.g.	Continue Unit 3: The mathematical focus of this unit is on using what you know (e.g. known combinations, order does not matter in addition, and so on) to make problems easier to solve, developing and refining strategies for solving a variety of addition and subtraction problems, and counting by groups. Students also investigate what makes numbers even and odd. Unit 4: This unit develops ideas about collecting, representing, describing, and interpreting data.	ideas about 2D and 3D shapes and their characteristics and attributes. Students work on how to compose and decompose the shapes in different ways, and how to sort, categorize, name, and think about the relationships between them. Unit 7: This unit develops ideas about understanding, representing, and computing with fractions. The mathematical focus will be on understanding fractions as equal parts of a whole, equal parts of a group, and using terms and notations. Unit 6: This unit develops ideas about counting and quantity, the composition of numbers-including work with place value and the structure of the base-10 number system-and the operations of addition and subtraction. The mathematical focus of this unit is on devel place value with specific emphasis on the structure of 100. Students apply their understanding of place value as they continue to develop and refine their strategies for adding and subtracting two-digit numbers.	Unit 8: The mathematical focus of this unit is on making generalizations about what happens when you add even and odd numbers, developing fluency with the remaining strategies for adding and subtracting two- and three-digit numbers, and recording such work. Unit 5: This unit develops the ideas about patterns, sequences, and functions and are part of the early algebra foundation integrated into the curriculum. Students will describe and represent ratios and use tables to represent change. Unit 9: This unit develops ideas about linear measurement as it relates to length, width, and units to measure.

Eagle Mountain-Saginaw ISD

<u>Counting Coins</u>

Ask your child to name coins and the value of each coin. Count the coins

Suggestions for Parental Involvement /Support

quantities, children can work from left to right because the magnitude of the numbers is not changed.

23 + 48

Show your thinking using pictures:

$$20 + 40 = 60$$

$$3 + 8 = 11$$

60 + 11 = 71

Or using the partial sums algorithm:

Or using equations:

We begin the year with the Adding by Place Value strategy because it reinforces understanding of how our place value system is based on tens and ones. We will learn more strategies as the year progresses.