

SECOND GRADE**MATHEMATICS**

Goal 6: Demonstrate a knowledge and sense of numbers and their representations-including basic operations (addition and subtraction), ratios and proportions, by using multiple ways of obtaining exact values and estimates to understand number patterns and their applications.

Learning Standard A	Learning Standard B	Learning Standard C	Learning Standard D
Demonstrate knowledge and use of numbers and their relations and representations in a broad range of settings from theoretical to practical (develop number sense).	Investigate, represent, and solve problems using number facts, operations (addition and subtraction), and relationships.	Solve problems using multiple approaches to computation including mental mathematics, estimation, paper and pencil methods, and technology.	Solve problems involving the comparisons of quantities using ratios and proportions.
<ul style="list-style-type: none"> • Counting forward and backward by given number (1's, 2's, 5's, 20's) to 1,000 • Recognizing and writing numerals by 1's, 2's, 5's, 10's to 1,000 • Identifying odd and even numbers • Place value concept of two and three digit numbers 	<ul style="list-style-type: none"> • Solving addition and subtraction facts to and from 18 • Constructing fact families to 18 • Solving for missing addend ($2 + _ = 8$) and subtrahend ($8 - _ = 2$) to 18 • Solving 2 and 3-digit addition and subtraction problems without regrouping • Multiple addends ($3 + 2 + 4 = _$) • Equivalent equations $4 + 3 = 5 + 2$ 	<ul style="list-style-type: none"> • Drawing pictures • Using manipulatives • Using tally marks • Using number lines/grids • Counting on • Counting back • Skip counting • Computation strategies (doubles, tens) 	<ul style="list-style-type: none"> • Comparing the relationship between numerals using the symbols $<$, $>$, $=$

State Goal 7: Make, use, and estimate measurements of objects, amounts, and relationships.

Learning Standard A
Measure and compare quantities using appropriate units, instruments, and methods. <ul style="list-style-type: none"> • Telling time to 5 minute intervals • Reciting months of the year in order • Reading/showing temperature by intervals of 10 degrees Fahrenheit • Measuring in inches and centimeters • Counting mixed coins • Showing given amounts of money using coins • Writing the date using numerals