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| **Grade 1 Mathematics** | |
| **SES Standard** | **State Standard** |
| **Strand:** Number Sense and Numeration |  |
| * Read and write numbers to 100 * Arrange numbers in various order, sequence and pattern * Count by 2s, 5s and 10s to 100 * Recognize ordinal numbers through 30th * Compare numbers and use terms more than, less than and equal to * Begin to round whole numbers to nearest ten * Identify odd and even numbers * Begin basis for multiplication by understanding sets and grouping * Use appropriate vocabulary, solve word problems with skills, concepts and mental math * Solve problems using mental math | M:N&O:1:1  M:N&O:1:2  M:DSP:1:2  M:PRP:2:1  M:PRP:2:2  M:CCR:2:1  M:CCR:2:2  M:CCR:2:3 |
| **Strand:** Sets |  |
| * Introduce idea of sets, and members of sets using sorting, and Venn diagrams * Recognize and construct basic patterns and patterns using two attributes (ie: number and color) * Use appropriate vocabulary, solve word problems with skills, concepts and mental math | M:F&A:1:1  M:PRP:2:1  M:PRP:2:2  M:CCR:2:1  M:CCR:2:2  M:CCR:2:3 |
| **Strand:** Computation |  |
| * Basic operations of addition of subtraction using manipulatives * Write and interpret addition and subtraction equations * Understand commutative and associative properties of addition using fact families * Use estimation techniques such as rounding to predict outcomes * Use appropriate vocabulary, solve word problems with skills, concepts and mental math * Develop fluency with addition and subtraction facts | M:N&O:1:3  M:N&O:1:6  M:N&O:1:7  M:N&O:1:8  M:F&A:1:4  M:PRP:2:1  M:PRP:2:2  M:CCR:2:1  M:CCR:2:2  M:CCR:2:3 |
| **Strand:** Consumer Math |  |
| * Interpret and construct calendars * Tell time using standard and digital clocks * Identify coins, coin values and combinations of coins * Make change under $1.00 * Perform addition and subtraction using money (without borrowing) * Use appropriate vocabulary, solve word problems with skills, concepts and mental math | M:N&O:1:5  M:PRP:2:1  M:PRP:2:2  M:CCR:2:1  M:CCR:2:2  M:CCR:2:3 |
| **Strand:** Fractions |  |
| * Model fractions using manipulatives * Recognize numbers written as fractions * Understand the concepts of parts and whole * Use appropriate vocabulary, solve word problems with skills, concepts and mental math | M:PRP:2:1  M:PRP:2:2  M:CCR:2:1  M:CCR:2:2  M:CCR:2:3 |
| **Strand:** Measurement |  |
| * Measure length and width using non/standard units * Develop spatial sense of length, capacity, weight, time and temperature * Use appropriate measuring tools | M:G&M:1:6 M:CCR:2:2  M:G&M:1:7 M:CCR:2:3  M:G&M:1:8  M:G&M:1:9  M:CCR:2:1 |
| **Strand:** Geometry |  |
| * Name, describe, model and classify plane and solid shapes * Develop spatial sense * Identify relationships between plane and solid figures * Investigate results of combining, subdividing and changing shapes * Identify symmetry, congruence and similarity * Use appropriate vocabulary, solve word problems with skills, concepts and mental math | M:G&M:1:1  M:G&M:1:3  M:G&M:1:4  M:G&M:1:6  M:PRP:2:1  M:PRP:2:2  M:CCR:2:1  M:CCR:2:2  M:CCR:2:3 |
| **Strand:** Statistics and Probability |  |
| * Collect, record and describe data * Construct, read and interpret displays of data (i.e. tallies, bar graphs and pictographs) * Make inferences based on data * Use appropriate vocabulary, solve word problems with skills, concepts and mental math | M:DSP:1:1  M:DSP:1:5  M:PRP:2:1  M:PRP:2:2  M:CCR:2:1  M:CCR:2:2  M:CCR:2:3 |
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