**Carthage R-9 School District**

**Missouri Learning Standards – Priority Standards K-4**

*(Updated 9.18.2017)*

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|  | **Number Sense** |
| KK K | 1. A.1. Count to 100 by ones and tens
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| K | A.4. Read and write numerals and represent a number of objects from 0 to 20 |
| K | B.5. Say the number names when counting objects, in the standard order, pairing each object with one and only one number name and each number name with one and only one object |
| K | C.10. Compare two or more sets of objects and identify which set is equal to, more than, or less than the other |
| K | C.11. Compare two numerals, between 1 and 10, and determine which is more than or less than the other |
| 1 | A.2. Read and write numerals and represent a number of objects with a written numeral |

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|  | **Number Sense and Operations in Base Ten** |
| **1** | A.3. Compare two two-digit numbers using the symbols >, = or < |
| **1** | A.4. Count by 10s to 120 starting at any number |
| **1** | B.5. Add within 100 |
| 2 | A.1. Understand three-digit numbers are composed of hundreds, tens and ones |
| 2 | A.4. Read and write numbers to 1000 using number names, base-ten numerals and expanded form |
| 2 | A.5. Compare two three-digit numbers using the symbols >, = or < |
| 2 | B.8. Add or subtract within 1000, and justify the solution |
| 2 | C.11. Write and solve problems involving addition and subtraction within 100 |
| 3 | A.2. Read, write and identify whole numbers within 100,000 using base ten numerals, number names and expanded form |
| 3 | A.3. Demonstrate fluency with addition and subtraction within 1000 |
| 4 | A.1. Round multi-digit whole numbers to any place |
| 4 | A.6. Multiply a whole number of up to four digits by a one-digit whole number and multiply two two-digit numbers, and justify the solution |
| 4 | A.7. Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, and justify the solution |

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|  | **Number Sense and Operations in Fractions** |
| 3 | A.5. Recognize and generate equivalent fractions using visual models, and justify why the fractions are equivalent |
| 4 | A.3. Compare two fractions using the symbols >, = or <, and justify the solution |
| 4 | B.4. Understand addition and subtraction of fractions as joining/composing and separating/decomposing parts referring to the same whole |
| 4 | B.8. Solve problems involving multiplication of a fraction by a whole number |
| 4 | C.9. Use decimal notation for fractions with denominators of 10 or 100 |
| 4 | C.11. Read, write and identify decimals to the hundredths place using number names, base ten numerals and expanded form |

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|  | **Relationships and Algebraic Thinking** |
|  K K | A.1. Represent addition and subtraction within 10 |
| 11 1 | A.1. Use addition and subtraction within 20 to solve problems |
| 1 | C.7. Add and subtract within 20 |
| 2 | B.3. Find the total number of objects arranged in a rectangular array with up to 5 rows and 5 columns, and write an equation to represent the total as a sum of equal addends |
| 3 | C.7. Multiply and divide with numbers and results within 100 using strategies such as the relationship between multiplication and division or properties of operations; know all products of two one-digit numbers |
| 3 | D.9. Write and solve two-step problems involving variables using any of the four operations |
| 4 | A.2. Solve multi-step whole number problems involving the four operations and variables and using estimation to interpret the reasonableness of the answer |
| 4 | A.3. Solve whole number division problems involving variables in which remainders need to be interpreted, and justify the solution |
| 4 | B.4. Recognize that a whole number is a multiple of each of its factors and find the multiples for a given whole number |
| 4 | B.5. Determine if a whole number within 100 is composite or prime, and find all factor pairs for whole numbers within 100 |

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|  | **Geometry and Measurement** |
|  K K | C.6. Identify shapes and describe objects in the environment using names of shapes, recognizing the name stays the same regardless of orientation or size |
|  K K | C.7. Describe the relative positions of objects in space |
|  K K | C.10. Compose simple shapes to form larger shapes using manipulatives |
|  1 | A.4. Partition circles and rectangles into two or four equal shares, and describe the shares and the wholes verbally |
|  1 | B.7 Demonstrate the ability to measure length or distance using objects |
| 1 1 | C.8 Tell and write time in hours and half-hours using analog and digital clocks |
| 1 1 | C.9 Know the value of a penny, nickel, dime and quarter |
|  2 | A.3.a. Demonstrate that equal shares of identical wholes need not have the same shape |
|  2 | B.4. Measure the length of an object by selecting and using appropriate tools |
|  2 | B.7. Measure to determine how much longer one object is than another |
|  2 | C.9. Represent whole numbers as lengths on a number line, and represent whole-number sums and differences within 100 on a number line |
|  2 | D.10. Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m. |
|  2 | D.12. Find the value of combinations of dollar bills, quarters, dimes, nickels and pennies, using $ and ¢ |
|  2 | D.13. Find combinations of coins that equal a given amount |
|  3 | A.3. Partition shapes into parts with equal areas, and express the area of each part as a unit fraction of the whole. (links with 3.NF.A.1) |
|  3 | B.6. Solve problems involving addition and subtraction of minutes |
| 3 3 | B.8. Use the four operations to solve problems involving lengths, liquid volumes or weights given in the same units |
|  3 | C.11. Demonstrate that tiling a rectangle to find the area and multiplying the side lengths result in the same value |
|  3 | C.14. Decompose a rectangle into smaller rectangles to find the area of the original rectangle |
|  3 | D.15. Solve problems involving perimeters of polygons |
| 4 4 | A.1. Draw and identify points, lines, line segments, rays, angles, perpendicular lines and parallel lines |
|  4 | B.5. Draw and measure angles in whole-number degrees using a protractor |
|  4 | C.7. Use the four operations to solve problems involving distances, intervals of time, liquid volume, weight of objects and money |
|  4 | C.8. Apply the area and perimeter formulas for rectangles to solve problems |

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|  | **Data and Statistics** |
|  K | A.1. Classify objects into given categories; count the number of objects in each category |
|  2 | A.4. Solve problems using information presented in line plots, picture graphs and bar graphs |
|  2 | A.5. Draw conclusions from line plots, picture graphs and bar graphs |
|  3 | A.1. Create frequency tables, scaled picture graphs and bar graphs to represent a data set with several categories |
|  4 | A.1. Create a frequency table and/or line plot to display measurement data |