Math Essential Skills 5th Grade 2016-2017

1. Understand the place value system.
   1. Read, write, and compare decimals to the thousandths using numerals, names, and expanded form.
   2. Round using place value
2. Fluently multiply multi digit numbers.
   1. Strategies to multiply multi digit numbers
   2. Standard algorithm
3. Find whole number quotients with dividends up to four numbers and divisors up to two numbers.
   1. Partial Quotient/Column division/standard algorithm
4. Add, subtract, multiply, and divide decimals to the hundredths.
5. Add and subtract fractions and mixed numbers with unlike denominators.
   1. By replacing fractions with equivalent fractions with like denominators
   2. By using visual fraction models or equations (word problems)
6. Interpret fractions as division.
7. Convert among different measurements within a given measurement system.
   1. Metric
   2. Customary
8. Understand the concept of volume and choose the most efficient strategy to find volume for a given figure.
   1. Counting unit cubes
   2. Addition
   3. Multiplication
9. Multiply fractions
   1. Use models and equations
   2. Write story problems to that can be represented by a specific equation
   3. Explain why multiplying by a value greater than one will produce a product greater than the specific number and multiplying that number by a value less than one will produce a product less than the specific number