Willington Public Schools
Grade 4
End of Trimester 2
Math Performance Expectations

Operations & Algebraic Thinking	**Represent and solve problems involving multiplication and division** ● Use the four operations with whole numbers to solve problems. **Solve multi-step word problems involving a variable** ● Solve multi-step word problems using the four operations. **Gains familiarity with factors and multiples** ● Find all factor pairs for a whole number in the range 1-100. ● Generate a number pattern based on a given rule (in and out boxes).
Numbers & Operations in Base Ten	**Understands place value up to one million** ● Taught in trimester 1. **Rounds numbers to any place value** ● Taught in trimester 1. **Fluency of whole numbers up to 4-digits in multiplication and division** ● Multiply a whole number up to four digits by a one-digit whole number, and multiply two two-digit numbers. ● Divide a whole number by a one-digit divisor and solve for quotients with remainder.
Numbers & Operations – Fractions	**Understands, find, and solves equivalent fractions and ordering fractions** ● Explain why a fraction is equivalent to a fraction by using visual fraction models. ● Compare two fractions with different numerators and different denominators, by creating common denominators or numerators, or by comparing to a benchmark fraction such ½. **Builds fractions from unit fractions** ● Decompose a fraction into a sum of fractions with the same denominator. **Add and subtracts fractions** ● Add and subtract mixed numbers with like denominators. ● Solve word problems involving addition and subtraction of fractions.

Numbers & Operations – Fractions continued	**Multiplies fractions** ● Understands a fraction a/b as a multiple of 1/b. ● Multiplies a fraction by a whole number. ● Solve word problems. **Understands decimal notations for fractions, & compare decimal fractions** ● Express a fraction with a denominator of 10 as an equivalent fraction with a denominator 100.
Measurement & Data	● Taught in trimester 3.
Geometry	**Draws and identifies lines and angles, and classifies shapes by properties of their lines and angles** ● Taught in trimester 1.