Fifth Grade First Semester Math Curriculum Guide

First Nine Weeks

5.NBT.A.1 Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left

5.NBT.A.2 Understand why multiplying or dividing by a power of 10 shifts the *value* of the digits of a whole number or decimal

5.NBT.A.3 Read, write, and compare decimals to thousandths:

5.NBT.A.4 Apply *place value* understanding to round decimals to any place

5.NBT.B.5 Fluently (efficiently, accurately and with some degree of flexibility) multiply multi-digit *whole numbers* using a standard *algorithm*

5.NBT.B.6 Find whole-number *quotients* of *whole numbers* with up to four-digit *dividends* and two-digit *divisors*, using strategies based on:
- *Place value*
- The properties of operations
- Divisibility rules; and
- The relationship between multiplication and division

Illustrate and explain calculations by using *equations*, *rectangular arrays*, and area models

5.NBT.B.7 Perform basic operations on decimals to the hundredths place.

Second Nine Weeks

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5.NBT.B.7 Perform basic operations on decimals to the hundredths place.

5.OA.A.1 Use *grouping symbols* including parentheses, brackets, or braces in numerical *expressions*, and evaluate *expressions* with these symbols

5.OA.A.2 Write simple *expressions* that record calculations with numbers, and interpret numerical *expressions* without evaluating them