Fifth Grade Quarter 1 (September 7- November 10) Math Matrix

Unit Name	Investigations	Sessions	Math Main Ideas	Assessments
UNIT 1-PUZZLES, CLUSTERS, AND TOWERS *Multiplication and Division*	**1 - 3**	**19 Approx. 20-24 days**		**Checklists, Games, Quizzes and Unit Test**
5.OA.A.1 Use 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. For example, express the calculation "add 8 and 7, then multiply by 2" as 2 × (8 + 7). Recognize that 3 × (18932 + 921) is three times as large as 18932 + 921, without having to calculate the indicated sum or product. 5.NBT.A.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10. 5.NBT.B.5 Fluently multiply multi-digit whole numbers using the 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, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models	**1 – PROPERTIES OF NUMBERS** **2 -MULTIPLICATION STRATEGIES** **3- DIVISON STRATEGIES**	**1.1-1.5** **2.1-2.7** **3.1-3.7**	Writing and interpreting numerical expressions Solving multiplication problems with 2-digit numbers Writing and interpreting numerical expressions Understanding and using the relationship between multiplication and division to solve division problems Writing and interpreting numerical expressions	**BEGINNING OF YEAR TEST** **A1-A2 Quiz 1 Session 1.5** **A4-A5 Quiz 2 Session 2.5** **A6** What is the Answer- Session 2.7 **A8-A9 Quiz 3 Session 3.4** **A10** Solving Multiplication and Division Problems Session 3.7 **UNIT 1 TEST**