

Unit Name	Investigations	Sessions	Math Main Ideas	Assessments
UNIT 1-PUZZLES, CLUSTERS, AND TOWERS <i>Multiplication and Division</i>	1 - 3	19		Checklists, Games, Quizzes and Unit Test
<p>5.OA.A.1 Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.</p> <p>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 $2 \times (8 + 7)$. Recognize that $3 \times (18932 + 921)$ is three times as large as $18932 + 921$, without having to calculate the indicated sum or product.</p> <p>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.</p> <p>5.NBT.B.5 Fluently multiply multi-digit whole numbers using the standard algorithm.</p> <p>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</p>	<p style="color: blue;">1 – PROPERTIES OF NUMBERS</p> <p style="color: red;">2 -MULTIPLICATION STRATEGIES</p> <p style="color: green;">3- DIVISON STRATEGIES</p>	<p style="color: blue;">1.1-1.5</p> <p style="color: red;">2.1-2.7</p> <p style="color: green;">3.1-3.7</p>	<p style="color: blue;">Writing and interpreting numerical expressions</p> <p style="color: red;">Solving multiplication problems with 2-digit numbers</p> <p style="color: red;">Writing and interpreting numerical expressions</p> <p style="color: green;">Understanding and using the relationship between multiplication and division to solve division problems</p> <p style="color: green;">Writing and interpreting numerical expressions</p>	<p style="color: purple;">BEGINNING OF YEARTEST</p> <p style="color: blue;">A1-A2 Quiz 1 Session 1.5</p> <p style="color: red;">A4-A5 Quiz 2 Session 2.5 A6 What is the Answer- Session 2.7</p> <p style="color: green;">A8-A9 Quiz 3 Session 3.4</p> <p style="color: green;">A10 Solving Multiplication and Division Problems Session 3.7</p> <p style="color: purple;">UNIT 1 TEST</p>