

Unit	<p style="text-align: center;"><b>5th: Unit 5- Multiplication and Division of Whole Numbers</b></p> <p style="text-align: center;"><b>Math Investigations Book: Number Puzzle and Multiple Towers Standards for Grade 5</b></p> <p style="text-align: center;">UNIT 1= Place Value, Addition &amp; Subtraction of Whole Numbers UNIT 2= Addition and Subtraction of Fractions UNIT 3= Operations with Decimals and Place Value UNIT 4= Volume UNIT 5= Multiplication and Division of Whole Numbers UNIT 6= Multiplication and Division of Fractions UNIT 7= Names and Properties of Shapes UNIT 8= Multiplication and Division of Greater Whole Numbers UNIT 9= Shape and Number Patterns</p>
5,9,3,4	<b>5.OA.1 Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.</b>
5,8,9	<b>5.OA.2 Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them. <i>For example, express the calculation "add 8 and 7, then multiply by 2" as <math>2 \times (8 + 7)</math>. Recognize that <math>3 \times (18,932 + 921)</math> is three times as large as <math>18,932 + 921</math>, without having to calculate the indicated sum or product.</i></b>
5,1,3	<b>5.NBT.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.</b>
5,3	<b>5.NBT.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.</b>
5,8,3,4	<b>5.NBT.5 Fluently multiply multi-digit whole numbers using the standard algorithm.</b>
5,8,3,4	<b>5.NBT.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.</b>