

Math 3 - 5

Content Standards		
Operations and Algebraic Thinking		
3 rd Grade: Multiplication and division of whole numbers.	4 th Grade: Understand multiplication as a comparison ($35=5 \times 7$ means that 35 is 5 times as many 7's)	5 th Grade: Use parentheses, brackets, and braces in expressions.
Use multiplication and division within 100 to solve word problems.	Use multiplication and division to solve multistep word problems.	
Determine the unknown whole number in multiplication and division equations.		
Apply properties of operations to multiply and divide.		
Know from memory all products of two, one digit numbers.	Identify the factor pairs for whole numbers 1-100.	With two given rules, identify the pattern and graph the ordered pairs on a coordinate plane.
Numbers and Operations in Base 10		
3 rd Grade: Round whole numbers to the nearest 10 and 100	4 th Grade: Round multiple digits to any place.	5 th Grade: Round decimals to any place.
	Read and write multi-digit whole numbers by using expanded notation.	Read and write decimal numbers to the 1,000 th .
	Understand that a digit in one place represents 10 times the digit in the place to the right.	Recognize that a digit is 10 times more as the number on the right and $1/10^{\text{th}}$ of the number on the left.
Fluently add and subtract within 1000 using strategies based on place value, properties of operations, and the relationship between addition and subtraction.	Learn the standard algorithm for multi-digit addition and subtraction.	Fluently multiply multi-digit whole numbers using the standard algorithm.
Multiply one digit whole numbers by multiples of 10 in the range of 10 – 90.	Multiply four digit by one digit and two digit by two digit using operations.	Solve addition, subtraction, multiplication, and division expressions and equations with up to four digit and two digits, including decimals to the 100ths.
	Solve problems with whole numbers with remainders up to four digit divided by 1 digit.	
Numbers and Operations - Fractions		
3 rd Grade: Understand a fraction must be equal parts.	4 th Grade: Use visual fraction models.	5 th Grade: Students explain the relationship between volume and multiplication. They refine communication skills by asking questions such as, "How did you get that?" and "Why is that true?"
Understand fractions on a number line.		

Understand equivalent fractions.	Explain why fractions are equivalent.	
Understand whole numbers as fractions.		
Compare fractions.	Compare fractions with different denominators.	
	Add and subtract fractions with like denominators.	Add and subtract fractions with unlike denominators.
	Decompose fractions.	
	Add and subtract mixed numbers.	Multiply and divide fractions.
	Solve word problems.	Solve word problems, including fractions with unlike denominators.
	Express fractions as tenths and hundredths.	
	Compare decimals to the 100ths.	