



Grade 5 Math		Grade 5 Math	Grade 5 Math
		Standards	Standard Description
1	Number Sense and Operations	Numeration: Whole Numbers	
2	Compare and Order Numbers to Millions	5N1	Read and write whole numbers to millions
2		5N2	Compare and order numbers to millions
3	Place Value/Rounding	5N3	Understand the place value structure of the base ten number system:
3		5N24	Round numbers to the nearest hundredth and up to 10,000
4		Whole Numbers: Multiply and Divide	
5	Prime vs. Multiple Divisors/Multiples	5N12	Recognize that some numbers are only divisible by one and themselves (prime) and others have multiple divisors (composite)
5		5N13	Calculate multiples of a whole number and the least common multiple of two numbers
6	Factors	5N14	Identify the factors of a given number
6		5N15	Find the common factors and the greatest common factor of two numbers
7	Multiply (3-digits by 3-digits)	5N16	Use a variety of strategies to multiply three-digit by three-digit numbers
8	Divide (3-digits by 1 and 2-digits)	5N17	Use a variety of strategies to divide three-digit numbers by one- and two-digit numbers
9	Order of Operations	5N18	Evaluate an arithmetic expression using order of operations including multiplication, division, addition, subtraction and parentheses
10		Decimal and Percents	
11	Decimals: Adding/Subtracting/Multiplying/Dividing Decimals to Thousandths	5N23	Use a variety of strategies to add, subtract, multiply, and divide decimals to thousandths
12	Decimals: Compare and Order	5N8	Read, write, and order decimals to thousandths
12		5N10	Compare decimals using $<$, $>$, or $=$
13	Percents-Decimals: Write as Fractions and Decimals/Estimate	5N11	Understand that percent means part of 100, and write percents as fractions and decimals
13		5N26	Estimate sums, differences, products, and quotients of decimals
13		5N27	Justify the reasonableness of answers using estimation
14		Fractions	
15	Fractions: Adding and Subtracting	5N21	Use a variety of strategies to add and subtract fractions with like denominators
16	Fractions: Simplify	5N19	Simplify fractions to lowest terms
17	Ratios	5N6	Understand the concept of ratio



17		5N7	Express ratios in different forms
18	Fractions: Miscellaneous	Fractions: Miscellaneous	Fractions: Miscellaneous
19	Algebra	Algebra	
20	Constants, Variables, Algebraic Expressions/ Algebraic Expression Translation	5A1	Define and use appropriate terminology when referring to constants, variables, and algebraic expressions
20		5A2	Translate simple verbal expressions into algebraic expressions
21	Order of Operations - 1-step Equations - Inverse Operations	5A3	Substitute assigned values into variable expressions and evaluate using order of operations
21		5A4	Solve simple one-step equations using basic whole-number facts
21		5A5	Solve and explain simple one-step equations using inverse operations involving whole numbers
22	Patterns and Algebraic Relationships/ Algebraic or Geometric Patterns	5A7	Create and explain patterns and algebraic relationships
22		5A8	Create algebraic or geometric patterns using concrete objects or visual drawings
23	Geometry	Geometry	
24	Polygons - Lines of Symmetry	5G1	Calculate the perimeter of regular and irregular polygons
24		5G11	Identify and draw lines of symmetry of basic geometric shapes
25	Triangles: Similar, Congruent, Angles and Sides	5G2	Identify pairs of similar triangles
25		5G3	Identify the ratio of corresponding sides of similar triangles
25		5G6	Classify triangles by properties of their angles and sides
25		5G7	Know that the sum of the interior angles of a triangle is 180 degrees
25		5G8	Find a missing angle when given two angles of a triangle
25		5G9	Identify pairs of congruent triangles
25		5G10	Identify corresponding parts of congruent triangles
26	Plotting Points & Perimeter of Shapes in 1st Quadrant	5G12	Identify and plot points in the first quadrant
26		5G13	Plot points to form basic geometric shapes (identify and classify)
26		5G14	Calculate perimeter of basic geometric shapes drawn on a coordinate plane
27	Measurement	Measurement	
28	Metric Units/Customary Units	5M1	Use a ruler to measure to the nearest inch, 1/2, 1/4, and 1/8inch
28		5M2	Identify customary equivalent units of length



28		5M3	Measure to the nearest centimeter
28		5M4	Identify equivalent metric units of length
29	Length and Angles - Converting Measurements	5M5	Convert measurement within a given system
29		5M6	Determine the tool and technique to measure with an appropriate level of precision: lengths and angles
30	Metric and Customary Units/Justify Reasonableness of Estimates	5M9	Determine personal references for customary units of length
30		5M10	Determine personal references for metric units of length
30		5M11	Justify the reasonableness of estimates
31	Time	5M7	Time
32	Statistics and Probability	Statistics and Probability	
33	Mean for a Given Set of Data	5S3	Calculate the mean for a given set of data and use to describe a set of data
34	Graphs and Experiments	5S4	Formulate conclusions and make predictions from graphs
34		5S5	List the possible outcomes for a single-event experiment
34		5S6	Record experiment results using fractions/ratios
34		5S7	Create a sample space and determine the probability of a single event, given a simple experiment