



Mathematics Grades K - 5: Major Standards

Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Know number names and the counting sequence	Represent and solve problems involving addition and subtraction	Represent and solve problems involving addition and subtraction	Represent and solve problems involving multiplication and division	Use the 4 operations with whole numbers to solve problems	Understand the place value system
Count to tell the number of objects	Understand and apply properties of operations and the relationship between addition and subtraction	Add and Subtract within 20	Understand properties of multiplication and the relationship between multiplication and division	Generalize place value understanding for multi-digit whole numbers	Perform operations with whole numbers with decimals to hundredths
Compare numbers	Add and Subtract within 20	Understand place value	Multiply and Divide within 100	Perform multi-digit arithmetic	Use equivalent fractions to add/subtract fractions
Understand addition as putting together and adding to. Understand subtraction as taking apart and taking from	Work with addition and subtraction equations	Use place value understanding and properties of operations to add and subtract	Solve problems involving the 4 operations and identify and explain patterns in arithmetic	Extend understanding of fraction equivalence and ordering	Multiply and Divide Fractions
Work with numbers 11-19 to gain foundations for place value	Extend the counting sequence	Measure and estimate lengths in standard units	Develop understanding of fractions as numbers	Build fractions from unit fractions	Geometric measurement: understand volume and relate volume to multiplication and to addition
	Understand place value	Relate addition and subtraction to length	Solve problems involving measurement and estimation of intervals of time, liquid volume, and masses of objects	Understand decimal notation for fractions, and compare decimal fractions	
	Use place value understanding and properties of operations to add and subtract		Geometric measurement: understand area and relate area to multiplication and to addition		
	Measure lengths indirectly and by iterating length units				