

St. Catherine of Siena Catholic School Mathematics

Fourth Grade (Go Math)

Week	Unit	Skills			
Place Value and Operations with Whole Numbers (Unit 1-5)	Place Value and Operations with Whole Numbers (Unit 1-5) Unit 1 Place Value, Addition, and Subtraction to One Million. (15 days)	Students will be able to generalize place value understanding for multi-digit whole numbers. Students use place value understanding and properties of operations to perform multi-digit arithmetic by read and write numbers; compare and order numbers; round numbers; investigate; add whole numbers; subtract whole numbers; comparison problems with addition and subtraction.			4
	Unit 2 - Multiply by 1-Digit Numbers (20 days)	Students will be able to use the four operations with whole numbers to solve problems, use place value understanding and properties of operations to perform multi-digit arithmetic by multiplication comparisons; multiply tens, hundreds, and thousands; estimate products; multiply using the distributive property; multiply using expanded form; partial products; multiply using mental math; problem solving; multiply 2-digit numbers with regrouping; multiply 3-Digit and 4-Digit numbers with regrouping; solve multistep problems using equations.			
	Unit 3 - Multiply by 2-Digit Numbers (15 days)	Students will be able to use the four operations with whole numbers to solve problems, and use place value understanding and properties of operations to perform multi-digit arithmetic by multiply by tens; estimate products investigate; multiply using partial products; multiply with regrouping; choose a multiplication method; problems solving; multiply 2-Digit numbers.			
	Unit 4 Divide by 1-Digit Numbers (20 days)	Students will be able to use the four operations with whole numbers to solve problems and use place value understanding and properties of operations to perform multi-digit arithmetic by estimate quotients using multiples; interpret the remainder; divide then; hundreds, and thousands; estimate quotients using compatible numbers; division and the distributive property; divide using repeated subtraction; divide using partial quotients; regrouping; place the first digit; divide by 1-Digit numbers; multistep division problems.			
	Unit 5 - Factors, Multiples, and Patterns (20 days)	Students will gain familiarity with factors and multiples and generate and analyze patterns by factors and divisibility; common factors; factors and multiples; prime and composite numbers; and number patterns.			
	Unit 6 - Fraction Equivalence and Comparison (15 days)	Students will extend understanding of fraction equivalence and ordering by investigate equivalent fractions; generate equivalent fractions; simplest form; common denominators; find equivalent fractions; compare fractions and compare and order fractions.			
Curriculum Overview Fractions and Decimals Unit 6-9	Unit 7 - Add and Subtract Fractions (15 days)	Students will build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers by add and subtract part of a whole; write fractions as sums; add/subtract fractions; rename fractions and mixed numbers; add/subtract mixed numbers; subtracting with remaining; fractions and properties of addition and multistep fraction problems.			
	Unit 8 - Multiply Fractions by Whole Numbers (15 days)	Students will build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers by multiples of fractions; multiply a fraction by a whole number using models; multiply a fraction by a whole number/mixed number; and comparison problems with fractions.			
	Unit 9 - Relate Fractions and Decimals (15 days)	Students will be able to understand decimal notation for fractions, and compare decimals fractions and solve problems involving measurement and conversion of measurements from a large unit to a smaller unit by relate tenths/hundredths decimals; equivalent fractions and decimals; relate fractions/decimals and moneys; add fractional parts of 10 and 100; and compare decimals.			
Curriculum Overview Geometry, Measurement, and Data Unit 10-13	Unit 10 - Two-Dimensional Figures (15 days)	Students will generate and analyze patterns and draw and identify lines and angles, and classify shapes by properties of their lines and angles by lines, rays, and angles; classify triangles by angles; parallel lines and perpendicular lines; classify quadrilaterals; line symmetry; find and draw lines of symmetry; and shape patterns.			
	Unit 11 - Angles (10 days)	Students will be able to understand concepts of angle and measure angles by investigate angles/fractional part of a circle; degrees; measure and draw angles; join and separate angles; unknown angle measures.			
	Unit 12 - Relative Sizes of Measurement Units (10 days)	Students will be to solve problems involving measurement and conversion of measurements from a large unit to a smaller unit and represent and interpret data by customary length/weight and liquid volume; line plots; metric units of length; metric units of mass and liquid volume; units of time; elapsed time; mixed measures; and patterns of measurements units.			
	Unit 13 - Algebra: Perimeter and Area (10 days)	Students will be to solve problems involving measurement and conversion of measurements from a large unit to a smaller unit			