Week	Marking Period 1	Marking Period 2
1	 Place value (to one million): relationships among places in the base ten system Reading & writing numbers to one million: numerals, number names, expanded form Comparison: multi-digit numbers (<,>,=) 	 Factor pairs & multiples (1-100) Prime & composite Word problems involving measurement: converting from larger units of time to smaller units
2	 Comparison: multi-digit numbers (<,>,=) Rounding (within one million): to any place 	 Fractions equivalent to ½: relate visual models to multiplicative reasoning Comparison of fractions to benchmarks (0, ½, 1)
3	Addition & subtraction fluency within one million: standard algorithm	 Fractions equivalent beyond ½: relate visual models to multiplicative reasoning Comparison of fractions (Grade 4 limited to denominators of 2,3,4,5,6,8,10,12,100): different numerator or denominator
4	 Multi-step word problems: addition & subtraction, assess reasonableness Multiplication & division word problems: comparison (1-digit factors) Distinguishing multiplicative comparison from additive comparison 	 Fractions: decomposing Addition & subtraction of fractions (like denominators, including mixed numbers) 1-step word problems: addition & subtraction of fractions with like denominators Measurement data: line plots (halves, fourths, eighths)
5	Multiplication (up to 4-digit × 1-digit): equations, area models, place value strategies, properties of operations	Multiplication of a fraction by a whole number, including word problems
6	Multiplication (up to 4-digit × 1-digit): equations, area models, place value strategies, properties of operations Area & perimeter formulas (rectangles): word problems, including missing side lengths Multiplicative reasoning: converting measurement units (larger to smaller)	 Multiplication of a fraction by a whole number, including word problems Word problems involving measurement (fractions): addition, subtraction, & multiplication involving distances, intervals of time, masses of objects
7	Division with & without remainders (up to 4-digit ÷ 1-digit): equations, rectangular arrays, area models, place value strategies, properties of operations	 Lines, line segments, perpendicular & parallel lines: drawings, identify in 2-D figures Lines of symmetry Geometric measurement: angle concepts & measurement
8	Division with & without remainders (up to 4-digit ÷ 1-digit): equations, place value strategies, properties of operations	Geometric measurement: angle concepts & measurement
9	Four operation word problems (whole numbers): multi-step Word problems involving measurement (whole numbers): four operations involving distances, intervals of time, masses of objects, money Area & perimeter formulas (rectangles): word problems, including missing side lengths	 Classification of 2-dimensional shapes: parallel lines, perpendicular lines, angles of specified size Classification of triangles: sides and angles Geometric measurement: angle concepts & measurement

Week	Marking Period 3	Marking Period 4
1	 Fraction with denominator 10 as equivalent fraction with denominator 100 Addition of fractions with unlike denominators (10 & 100) Decimal notation (fractions with denominators 10 or 100) Word problems involving measurement (including decimals as fractions): distances, liquid volumes, intervals of time 	Division (up to 4-digit ÷ 2-digit multiple of ten): equations, rectangular arrays, area models, place value strategies, properties of operations
2	 Decimal notation (fractions with denominators 10 or 100): meter stick, number line Comparison of decimals (to hundredths) Multiplication (2-digit × 2-digit multiples of 10): equations, rectangular arrays, area models, place value strategies, properties of operations 	Division (up to 4-digit ÷ 2-digit): equations, place value strategies, properties of operations
3	Multiplication (4-digit × 1-digit, 2-digit × 2-digit) & division (4-digit ÷ 1-digit): equations, rectangular arrays, area models, place value strategies, properties of operations	Addition & subtraction of fractions (related denominators, including 2, 4, & 8; 3 & 6): equivalent fractions as a strategy, word problems, estimation & reasonableness of answers
4	Addition & subtraction fluency within one million: standard algorithm Four operation word problems (whole numbers): multi-step Number & shape patterns *********************************	Addition & subtraction of fractions (denominators with a common factor, including 6 & 9): equivalent fractions as a strategy, word problems, estimation & reasonableness of answers
5	Multiplication: standard algorithm (multi-digit whole numbers)	Addition & subtraction of fractions (1-digit denominators with no common factors, including 3 & 4): equivalent fractions as a strategy, word problems, estimations & reasonableness of answers
6	Volume (right rectangular prisms): counting unit cubes (cubic cm, cubic in, cubic ft, & improvised units), relationship to multiplication, problem solving	Addition & subtraction of fractions: equivalent fractions as a strategy, word problems, estimation & reasonableness of answers
7	Volume (right rectangular prisms): formulas for rectangular prisms, additive properties, problem solving Numerical expressions with parentheses, brackets, braces	Ordered pairs on a coordinate plane Numerical patterns using two given rules: relationships between corresponding terms
8	 Place value relationships among places in the base ten system Place value patterns: multiplication or division by powers of 10, whole number exponents Decimals (thousandths): read, write, compare, & round 	Classification of two-dimensional figures: properties
9	Addition & subtraction of decimals (tenths & hundredths as addends): concrete models, drawings, written method, place value strategies, properties of operations, relationship between addition & subtraction	Classification of two-dimensional figures: properties