

Grades 3-5		Common Core State Mathematics Standards		
Domain	3	4	5	
Counting & Cardinality				
Operations & Algebraic Thinking	Represent and solve problems involving multiplication and division. 3.OA.1,2,3,4	Use four operations with whole numbers to solve problems. 4.OA.1,2,3	Write and interpret numerical expressions. 5.OA.1,2	
	Understand properties of multiplication & relationship between multiplication and division. 3.OA.5,6	Gain familiarity with factors and multiples. 4.OA.4		
	Multiply and divide within 100. 3.OA.7			
	Solve problems involving the four operations, & identify and explain patterns in arithmetic. 3.OA.8,9	Generate and analyze patterns. 4.OA.5	Analyze patterns and relationships. 5.OA.3	
Number & Operations in Base Ten			Understand the place value system. 5.NBT.1,2,3,3a,3b,4	
		Generalize place value understanding for multi-digit whole numbers. 4.NBT.1,2,3	Perform operations with multi-digit whole numbers and with decimals to hundredths. 5.NBT.5,6,7	
	Use place value understanding and properties of operations to perform multi-digit arithmetic. 3.NBT.1,2,3	Use place value understanding and properties of operations to perform multi-digit arithmetic. 4.NBT.4,5,6		
Number & Operations - Fractions	Develop understanding of fractions as numbers. 3.NF.1,2,2a,2b,3,3a,3b,3c,3d	Extend understanding of fraction equivalence & ordering. 4.NF.1,2	Use equivalent fractions as a strategy to add and subtract fractions. 5.NF.1,2	
		Build fractions from unit fractions by applying & extending previous understandings of operations on whole numbers. 4.NF.3,3a,3b,3c,3d,4,4a,4b,4c	Apply and extend previous understandings of multiplication and division to multiply & divide fractions. 5.NF.3,4,4a,4b,5,5a,5b,6,7,7a,7b,7c	
		Understand decimal notation for fractions, and compare decimal fractions. 4.NF.5,6,7		
Measurement & Data		Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit. 4.MD.1,2,3	Convert like measurement units within a given measurement system. 5.MD.1	
	Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures. 3.MD.8	Geometric measurement: understand concepts of angle and measure angles. 4.MD.5,5a,5b,6,7		
	Geometric measurement: understand concepts of area & relate area to multiplication & to addition. 3.MD.5,5a,5b,6,7,7a-d		Geometric measurement: understand concepts of volume & relate volume to multiplication & addition. 5.MD.3,3a,3b,4,5,5a,5b,5c	
	Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. 3.MD.1,2			
	Represent and interpret data. 3.MD.3,4	Represent and interpret data. 4.MD.4	Represent and interpret data. 5.MD.2	
Geometry	Reason with shapes and their attributes. 3.G.1,2	Draw & identify lines angles, and classify shapes by properties of their lines & angles. 4.G.1,2,3	Classify two-dimensional figures into categories based on their properties. 5.G.3,4	
			Graph points on the coordinate plane to solve real-world and mathematical problems. 5.G.1,2	