Common Core Mathematics - grade 1

DOMAINS	CLUSTERS	STANDARDS
Counting & Cardinality	(Kindergarten)	
Operations & Algebraic Thinking	• Represent and solve problems using addition and subtractions • Understand and apply properties of operations and the relationship between addition and subtraction • Add and subtract within 20 • Work with addition and subtraction equations	➢ MATH.CONTENT. 1.OA.A.1 / A.2 ➢ MATH.CONTENT .1.OA.B. 3 / B.4 ➢ MATH.CONTENT .1.OA.C.5 / C.6 ➢ MATH.CONTENT .1.OA.D.7 / D.8
Number Operations in Base 10	• Extend the counting sequence • Understand place value • Use place value understanding and properties of operations to add and subtract	➢ MATH.CONTENT. 1.NBT.A.1 ➢ MATH.CONTENT. 1.NBT.B.2 / B.2a / B.2b / B.2c / B.3 ➢ MATH.CONTENT. 1.NBT.C.4 / C.5 / C.6
Number Operations - Fractions	(Grades 3, 4, 5)	
Measurement & Data	• Reason with shapes and their attributes	➢ MATH.CONTENT.1.MD.A.1 / DA2 ➢ MATH.CONTENT.1.MD.B.3 ➢ MATH.CONTENT.1.MD.C.4
Geometry	• Draw and Identify lines and angles, classify shapes by properties and their lines and angles	➢ MATH.CONTENT.1.GA.1 / GA.2 / GA.3
Ratios & Proportional Relationships	Grades 6, 7	
The Number System	Grades 6, 7, 8	
Expressions & Equations	Grades 6, 7, 8	
Functions	Grade 8	

Common Core Mathematics - *grade 3*

DOMAINS	CLUSTERS	STANDARDS
Counting & Cardinality	(Kindergarten)	
Operations & Algebraic Thinking	• Represent & solve problems involving multiplication & division • Understand properties of multiplication & the relationship between multiplication & division. • Multiply & divide within 100 • Solve problems involving the 4 operations, & identify & explain patterns in arithmetic	➢ MATH.CONTENT. 3.OA.A.1 / A.2 / A.3/ A.4 ➢ MATH.CONTENT .3.OA.B.5 / B.6 ➢ MATH.CONTENT .3.OA.C.7 ➢ MATH.CONTENT .3.OAD.8 /AD9
Number Operations in Base 10	• Use place value understanding and properties of operations to perform multi-digit arithmetic.	➢ MATH.CONTENT.3.NBT.A.1 / A.2 / A.3
Number Operations - Fractions	• Develop understanding of fraction as numbers	➢ MATH.CONTENT.3.NF.A.1 / A2 / A3
Measurement & Data	• Solve problems using measurement and estimation • Represent and interpret data • Geometric measurement: Understand concepts of area & relate area to multiplication and to addition.	➢ MATH.CONTENT.3.MD.A.1 / A2 ➢ MATH.CONTENT.3.MD.B.3 /B.4 ➢ MATH.CONTENT.3.MD.C.5 / C.6 / C.7/ C.8
Geometry	• Reason with shapes & their attributes.	➢ MATH.CONTENT.3.GA.1 / GA.2
Ratios & Proportional Relationships	(Grades 6, 7)	
The Number System	(Grades 6, 7, 8)	
Expressions & Equations	(Grades 6, 7, 8)	
Functions	(Grade 8)	
Statistics & Probability	(Grades 6, 7, 8)	

Common Core Mathematics - grade 6

MATHEMATICS
Common Core Standards Structure & Organization
grade 1, 3, 6

DOMAINS	CLUSTERS	STANDARDS	
Counting & Cardinality	(Kindergarten)		
Operations & Algebraic Thinking	(K, Grades 1, 2, 3, 4, 5)		
Number Operations in Base 10	(K, Grades 1, 2, 3, 4, 5)		
Number Operations 0 Fractions	(Grades 3, 4, 5)		
Measurement & Data	(K, Grades 1, 2, 3, 4, 5)		
Geometry	• Solve real-world & mathematical problems involving area, surface area, & volume	➢ MATH.CONTENT.6.GA.1 / GA.2 / GA.3 / GA.4	
Ratios & Proportional Relationships	• Understand ration concepts and use ratio reasoning to solve problems	➢ MATH.CONTENT.6.RP.A.1 / A.3 / A.3a / A.3b / A.3c / A.3d	
The Number System	• Apply & extend previous understandings of division to divide fractions by fractions	➢ MATH.CONTENT.6.NS.A.1	
	• Compute fluently with multi-digit numbers & find common factors & multiples	➢ MATH.CONTENT.6.NS.B.2 /B.3 / B.4	
	• Apply and extend previous understandings of numbers to the system of rational numbers	➢ MATH.CONTENT.6.NS.C.5 / C.6 / C.6a / C.6b / C.6c / C.7 / C.7a / C.7b / C.7c / C.7d / C.8	
Expressions & Equations	• Apply and extend previous understanding of arithmetic to algebraic expressions	➢ MATH.CONTENT.6.EE.A.1 / A.2 / A.2a / A.2b / A.2c / A.3 / A.4	
	• Reason and solve one variable equations and inequalities	➢ MATH.CONTENT.6.EE.B.5 / B.6 / B.7 / B.8	
	• Represent and analyze quantitative relationships between dependent and independent variables	➢ MATH.CONTENT.6.EE.C.9	
Functions	(Grade 8)		