

## CA 1997 vs Common Core Math Standards Clusters

Grade 5 (1997 Standards)	Grade 6 (1997 Standards)	Grade 7 (1997 Standards)	Grade 8 Algebra 1 (1997 Standards)	Geometry (1997 Standards)
<b>Number Sense</b>	<b>Number Sense</b>	<b>Number Sense</b>	<b>All Algebra Content</b>	<b>All Geometry Content</b>
Positive/Negative Numbers	Positive/Negative Numbers	Positive/Negative Numbers	Powers and Radicals	Congruence + Triangle Proofs
Addition/Subtraction/Multi/Div Fractions	Addition/Subtraction/Multi/Div Fractions	Addition/Subtraction/Multi/Div Fractions	Int + Variable Exponents	Solid Shapes (Volume + Surface Area)
Decimal/Percents	Percentage Problems	Percentage Problems	Absolute value	Area + Perimeter (All Shapes)
Rounding	Ratio and Proportion	Integer Exponents	Linear Equations	Dimension Changes
Prime Factors		Scientific Notation	Intercepts	Classify Polygons
			Equation of a Line	Angle Proofs
<b>Algebra + Functions</b>	<b>Algebra + Functions</b>	<b>Algebra + Functions</b>	Parallel/Perpendicular	Coordinate Geometry Proofs
One Step Linear (Int only)	One Step Linear (Incl Fractions)	One Step Linear	Graphically Solve Linear Eq	Constructions
Distributive Property	Order of Operations	Order of Operations	Operations with mono-polynomials	Basic Trig Functions (Sin, cos, tan)
Graphs and Tables (Coord Pairs)	Graphs and Tables (Ratio)	Graphs and Tables (Equations)	Factoring Algebraic Fractions	Special Triangles
	Describe Geometry Algebraically	Powers	Quadratic Equations	Circles (Chords, Tangents)
		Inequalities	Functions	Transformations [Rotations, Translations]
			Range + Domain	Similarity
			Quadratic Graphs + Complete Sq.	
<b>Measurement + Geometry</b>	<b>Measurement + Geometry</b>	<b>Measurement and Geometry</b>		
Solid Shapes (Classify)	Solid Shapes (Simple Volume)	Solid Shapes (Most Objects)		
Angles	Angles	Perimeter + Area		
Units		Units		
		Pythagorean Theorem		
<b>Statistics and Data Analysis</b>	<b>Statistics and Data Analysis</b>	<b>Statistics and Data Analysis</b>		
Mean, Median, Mode	Mean, Median, Mode	Data Relationships		
Display Data on Graphs	Prediction			
	Sampling			



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Key	
Grade 5	(1997 Standards)
Grade 6	(1997 Standards)
Grade 7	(1997 Standards)
Grade 8 Algebra 1	(1997 Standards)
Geometry	(1997 Standards)
New Common Core Content	

Grade 5 CC	Grade 6 CC	Grade 7 CC	Grade 8 CC	Algebra I CC	Geometry CC
<b>Operations and Algebraic Thinking</b>	<b>Ratio and Proportion</b>	<b>Ratio and Proportion</b>	<b>Real Numbers</b>	<b>Int + Variable Exponents</b>	<b>Transformations [Rotations, Translations]</b>
Order of Operations	Single Step Real World Problems	Rates	Irrational Numbers	Powers and Radicals	Congruence
Analyze Patterns	Percentages Problems	Multi-Step real world Problems		Units	Proofs: Triangles, Lines, Parallelograms
	Units			Operations with mono-polynomials	Geometric Constructions
<b>Number Operations in Base 10</b>	<b>Number System</b>	<b>Number System</b>	<b>Expressions and Equations</b>	Create Equations (One Variable)	Similarity with Transformations
Place Value with Fractions (1/100)	Positive/Negative Numbers	Rational Number Line Operations	Exponents	Create Equations (Two Variables)	Similarity Proofs
Division w/ Whole Number Quotients	Addition/Subtraction/Multi/Div Fractions	Absolute Value	Powers	Factoring Algebraic Functions	Special Triangles
Order of Operations	Order of Operations	Multiplication/Division of Fractions	Scientific Notation	Graphically Solve Linear Equations	Trig Ratios and Functions
Decimal/Percents	Greatest Common Factor	Graphing Equivalent Ratios	Connections (Lines and Linear Eq)	Quadratic Equations	Circle Proofs
	Absolute Value		System of Linear Equations	Systems of 1 Linear, 1 Quad Equation	Construct Circles
	Graphs and Tables (Equations)		Graphically Solve Systems of Linear Eq		Derive Arc Length + Sector Area
<b>Number Operations Fractions</b>	<b>Expressions and Equations</b>	<b>Expressions and Equations</b>	<b>Geometry</b>	<b>Range + Domain</b>	Derive Equations of Circles
Addition/Subtraction/Multi/Div Fractions	Exponents	Percentage-Variable Addition Relationship	Congruence	Rate of Change of Function	Derive Equations of Parabolas
Real World Fraction Problems	One Step Linear (Incl Fractions)	Construct Equations	Scaling	Build Functions	Coordinate Geometry Proofs
	Inequalities	Graphing Inequalities	Rotations	Inverse Functions	Solid Shapes (Volume + Surface Area)
			Pythagorean Theory Proofs	Exponential Functions	2D + 3D Relationships
<b>Measurement &amp; Data</b>	<b>Geometry</b>	<b>Geometry</b>	<b>Functions</b>		Modeling Real World Design Problems
Units	Solid Shapes (Most Objects)	Scaling Drawings	Define/Compare Functions	<b>Statistics and Probability</b>	
Solid Shapes (Rectangular Prism)	Triangles and Quads	Construct Triangles	Non-Linear Functions	Std. Dev, Interquartile Ranges	
Line Plots with Fractions	Pythagorean Theorem	2D to 3D transformations	Construct Functions	Scatter Plot	
	Perimeter + Area	Area of a Circle		Slope + Intercept	
		Angles			
		Solid Shape Volumes + Surface Area			
<b>Geometry</b>	<b>Statistics and Probability</b>	<b>Statistics and Probability</b>	<b>Statistics and Probability</b>		
Graphs and Tables (Coord Pairs)	Variability in Sampling	Data Analysis	Scatter Plots		
Solid Shapes (Classify)	Means and Variances	Visual Overlap	Line of Best Fit		
Angles	Distributions	Variability Inferences	Frequencies		
		Probability Models			