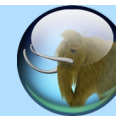


Math Mammoth Curriculum Scope and Sequence



Summer 2026

Topic

Grade

Place Value	K	1	2	3	4	5	6	7	8
Numbers 0-20	x								
Counting sequence to 100	x								
Numbers 0-100		x							
Numbers 0-1000			x						
Numbers 0-10,000				x	x				
Numbers 0-1,000,000					x				
Numbers 0-1,000,000,000,000						x			
Numbers 0-1,000,000,000,000,000							x		
Using the calculator						x			
Exponents and powers						x	x	x	x
Rounding to the nearest ten				x	x				
Rounding to the nearest 100					x				
Rounding to the nearest 1000					x				
Rounding to any place						x	x		
Estimation				x	x	x	x		
Scientific notation									x
Significant digits									x

Addition and Subtraction	K	1	2	3	4	5	6	7	8
Addition and subtraction within 0-10	x	x							
Addition and subtraction facts within 0-5	x								
Addition and subtraction facts within 0-10		x							
Addition and subtraction facts within 0-18			x						
Mental addition & subtraction (2-digit)		x	x	x					
Mental addition & subtraction (3-digit)			x	x					
Mental addition & subtraction (4-digit)					x				
Regrouping in addition (2-digit)			x						
Regrouping in addition (3-digit)			x	x					
Regrouping in addition (4-digit)				x	x				
Regrouping in addition (5+ digit)					x				
Regrouping in subtraction (2-digit)			x						
Regrouping in subtraction (3-digit)			x	x					
Regrouping in subtraction (4-digit)				x	x				
Regrouping in subtraction (5+digit)					x				

Time	K	1	2	3	4	5	6	7	8
Telling time – whole and half hours		x							
Telling time – five-minute intervals			x						
Telling time to the minute				x					
Elapsed time			x	x	x				
Calendar		x	x	x					
Conversions between units of time					x				
24-hour clock					x				

Money	K	1	2	3	4	5	6	7	8
Counting coins	x	x	x	x					
Figuring out totals			x	x					
Figuring out change			x	x					
Money word problems			x	x	x				

Measurement	K	1	2	3	4	5	6	7	8
Shorter/longer and shorter/taller	x								
Measuring length	x	x	x	x	x	x			
Customary units of length			x	x	x				
Metric units of length			x	x	x				
Conversions between units of length					x	x	x		
Measuring weight			x	x	x				
Customary units of weight			x	x	x				
Metric units of weight			x	x	x				
Conversions between units of weight					x	x			
Measuring volume				x	x				
Customary units of volume				x	x				
Metric units of volume				x	x				
Conversions between units of volume					x	x			
The metric system (prefixes)						x	x		

Geometry	K	1	2	3	4	5	6	7	8
Basic 2-D shapes	x	x	x						
Patterns with shapes	x	x	x						
Basic 3-D shapes	x	x	x						
Right angle				x					
Classifying shapes				x		x	x		
Area of rectangles				x					
Perimeter				x	x	x	x		
Angles					x	x			
Volume of a rectangular prism						x	x		
Volume of other solids								x	x
Area of triangle							x		
Area of a parallelogram							x		
Area of polygons							x	x	
Area of circumference of circle								x	
Nets and surface area							x	x	
Converting between units of area							x	x	
Angle relationships								x	x
Drawing geometric figures								x	
Cross-sections								x	
Geometric transformations									x
Scale drawings/similar figures								x	x
The Pythagorean Theorem									x

Multiplication	K	1	2	3	4	5	6	7	8
Concept of multiplication			x	x					
Multiplication tables				x					
Partial products				x	x	x			
Multiply numbers with zeros (20 x 300 etc)				x	x	x			
Multi-digit multiplication					x	x			

Division	K	1	2	3	4	5	6	7	8
Division concept				x					
Division facts				x					
Remainder				x	x	x			
Long division (1-digit divisor)					x	x			
Long division (2-digit divisor)						x	x		
Multiply a fraction by a fraction						x	x		
Multiply mixed numbers						x	x		
Divide fractions (special cases)						x			
Divide fractions							x		
Complex fractions								x	
Arithmetic with negative fractions								x	
Fractions to decimals						x	x	x	x

Decimals	K	1	2	3	4	5	6	7	8
Decimal numbers (up to 2 decimal digits)					x				
Decimal numbers (up to 3 decimal digits)						x			
Decimal numbers (4 or more decimal digits)							x		
Decimals on a number line					x	x			
Comparing decimals						x	x		
Rounding decimals						x	x		
Add and subtract decimals with mental math					x	x	x		
Add and subtract decimals in columns					x	x	x		
Multiply a decimal and a whole number						x	x		
Multiply and divide by powers of ten						x	x		
Multiply decimals by decimals						x	x		
Multiply and divide decimals - mental math						x	x		
Long division with decimals						x	x		
Divide decimals by decimals						x	x		
Arithmetic with negative decimals								x	

Number Theory	K	1	2	3	4	5	6	7	8
Divisibility					x	x			
Find factors of a number					x	x			
Prime numbers					x	x			
Prime factorization						x	x		
GCF							x		
LCM							x		

Problem solving	K	1	2	3	4	5	6	7	8
Word problems	x	x	x	x	x	x	x	x	x
Problem solving with bar models				x	x	x	x		

Graphing	K	1	2	3	4	5	6	7	8
The coordinate grid						x	x		
Patterns in the coordinate grid						x	x		
Graphing linear equations								x	x
Slope									x
Slope-intercept equation									x
The standard form of a linear equation									x
Horizontal and vertical lines									x

Statistical graphs and statistics	K	1	2	3	4	5	6	7	8
Bar graphs			x	x	x				
Pictographs			x	x					
Line graphs					x	x			
Average (mean)					x	x	x		
median and mode							x		
Range and interquartile range							x		
Mean absolute deviation							x		
Boxplots, histograms, stem-and-leaf plots							x		
Statistical distributions							x		
Random sampling								x	
Comparing two populations or samples								x	
Scatter plots									x
Two-way tables									x

Ratios and proportions	K	1	2	3	4	5	6	7	8
Ratio							x	x	
Unit rate							x	x	
Equivalent rates							x	x	
Aspect ratio							x		
Using ratios to convert measurement units							x		
Proportions								x	
Proportional relationships								x	x
Scale drawings/similar figures								x	x

Percent	K	1	2	3	4	5	6	7	8
Concept of percent							x	x	
What percentage							x	x	
Find a percentage of a number							x	x	
Discounts							x	x	
Percentage of change								x	
Simple interest								x	
Equations with percent								x	x
Percent proportion								x	

Integers	K	1	2	3	4	5	6	7	8
Integers – basic concepts							x	x	
Adding and subtracting integers							x	x	x
Multiplying and dividing integers								x	

Algebra	K	1	2	3	4	5	6	7	8
Order of operations				x	x	x	x	x	x
Solving simple equations with logical reasoning		x	x	x	x	x	x		
Expressions							x	x	x
The distributive property							x	x	x
Solving one-step equations algebraically							x	x	
Solving multi-step linear equations algebraically								x	x
Inequalities								x	
Exponent rules									x
Formulas								x	x
Equation word problems								x	x
Number of solutions									x
Concept of a function									x
Linear functions									x
Systems of linear equations									x

Number system / misc	K	1	2	3	4	5	6	7	8
Square roots									x
Cube roots									x
Rational numbers								x	x
Irrational numbers									x