Prerequisites for Math Standards - 1st Grade

Domain	Standard	Content	Prerequisite Standards
Operations and Algebraic Thinking	1.OA.1	Addition and Subtraction Word Problems with Unknowns	K.OA.1, K.OA.2, K.OA.3
Operations and Algebraic Thinking	1.OA.2	Adding Three Numbers within 20 to Solve a Word Problem	K.OA.1, K.OA.2, 1.OA.1
Operations and Algebraic Thinking	1.OA.3	Properties of Operations in Addition and Subtraction	K.OA.2, K.OA.3, K.OA.4, 1.OA.1, 1.OA.2
Operations and Algebraic Thinking	1.OA.4	Subtracting Using An Unknown Addend	K.OA.3, K.OA.4, K.NBT.1, 1.OA.3
Operations and Algebraic Thinking	1.OA.5	Counting All, On, and Back	K.CC.2, K.CC.4
Operations and Algebraic Thinking	1.OA.6	Strategies in Addition and Subtraction within 20	K.OA.1, K.OA.2, K.OA.3, 1.OA.5
Operations and Algebraic Thinking	1.OA.7	Understanding the Equal Sign	1.OA.3, 1.OA.6
Operations and Algebraic Thinking	1.OA.8	Find the Unknown in Addition and Subtraction Problems	1.OA.4, 1.OA.6, 1.OA.7
Numbers and Operations in Base Ten	1.NBT.1	Investigating Numbers Within 120	K.CC.1, K.CC.2, K.CC.3, K.CC.4
Numbers and Operations in Base Ten	1.NBT.2	Understanding Tens and Ones in Two-Digit Numbers	K.CC.1, K.CC.2, K.CC.3, K.NBT.1
Numbers and Operations in Base Ten	1.NBT.3	Comparing 2-Digit Numbers	K.CC.6, K.CC.7, 1.NBT.1, 1.NBT.2
Numbers and Operations in Base Ten	1.NBT.4	Add Within 100	1.OA.6, 1.NBT.1, 1.NBT.2
Numbers and Operations in Base Ten	1.NBT.5	Find 10 More or 10 Less	1.OA.5, 1.NBT.2
Numbers and Operations in Base Ten	1.NBT.6	Subtract Decade Numbers from Decade Numbers	1.OA.6, 1.NBT.2, 1.NBT.4
Measurement and Data	1.MD.1	Indirectly Comparing and Ordering Objects by Length	K.MD.1, K.MD.2
Measurement and Data	1.MD.2	Iterating a Non-Standard Unit to Measure	K.MD.2, 1.MD.1
Measurement and Data	1.MD.3	Telling Time in Hours and Half-Hours	K.CC.2, 1.G.3
Measurement and Data	1.MD.4	Graphing 3 Categories	K.MD.2 K.MD.3 1.OA.1
Geometry	1.G.1	Defining and Non-Defining Attributes of Shapes	K.G.2, K.G.3, K.G.4
Geometry	1.G.2	Composing Shapes and Composite Shapes	K.G.3, K.G.4, K.G.6, 1.G.1
Geometry	1.G.3	Partitioning Circles and Rectangles	K.G.2, 1.G.2

Prerequisites for Math Standards - 2nd Grade

Domain	Standard	Content	Prerequisite Standards
Operations and Algebraic Thinking	2.OA.1	Solving Word Problems by Adding and Subtracting within 100	1.OA.1, 1.OA.2, 1.OA.8, 2.NBT.5
Operations and Algebraic Thinking	2.OA.2	Mental Math Within 20	1.OA.5, 1.OA.6
Operations and Algebraic Thinking	2.OA.3	Odd and Even Numbers	1.OA.2 1.OA.5 1.OA.6
Operations and Algebraic Thinking	2.OA.4	Rectangular Arrays	1.OA.7, 2.OA.3
Numbers and Operations in Base Ten	2.NBT.1	Numbers in Base Ten: Understanding Place Value in a Three-Digit Number	2.NBT.1 2.NBT.3 2.NBT.5
Numbers and Operations in Base Ten	2.NBT.2	Skip Counting by 5s, 10s, and 100s	2.NBT.1 2.NBT.3 2.NBT.5
Numbers and Operations in Base Ten	2.NBT.3	Read and Write Numbers in Number, Word, and Expanded Form	2.NBT.1 2.NBT.3 2.NBT.5
Numbers and Operations in Base Ten	2.NBT.4	Comparing 3-Digit Numbers	2.NBT.1 2.NBT.3 2.NBT.5
Numbers and Operations in Base Ten	2.NBT.5	Fluent Addition and Subtraction within 100	1.NBT.4 1.NBT.5 1.NBT.6 2.OA.2
Numbers and Operations in Base Ten	2.NBT.6	Adding Four Two-Digit Numbers Using Place Value and Properties	2.NBT.1 2.NBT.3 2.NBT.5
Numbers and Operations in Base Ten	2.NBT.7	Strategies for Adding and Subtracting within 1,000	2.NBT.1 2.NBT.3 2.NBT.5
Numbers and Operations in Base Ten	2.NBT.8	Mentally Adding and Subtracting 10 and 100 to Three-Digit Numbers	1.NBT.2 1.NBT.5 2.NBT.1 2.NBT.2
Numbers and Operations in Base Ten	2.NBT.9	Explaining Why Addition and Subtraction Strategies Work	2.NBT.1, 2.NBT.7
Measurement and Data	2.MD.1	Measuring Length in Standard Units	1.MD.1 1.MD.2
Measurement and Data	2.MD.2	Relating Measurements	1.MD.2 2.MD.1
Measurement and Data	2.MD.3	Estimating Measurements	1.MD.1 2.MD.1 2.MD.2
Measurement and Data	2.MD.4	Comparing Measurements and Finding the Difference	1.NBT.3 1.MD.1 2.OA.2 2.MD.2
Measurement and Data	2.MD.5	Solving Addition and Subtraction Word Problems in Lengths	2.OA.1 2.NBT.5
Measurement and Data	2.MD.6	Using a Number Line Diagram	2.NBT.5 2.MD.1 2.MD.5
Measurement and Data	2.MD.7	Telling Time to the Nearest 5 Minutes	1.MD.3 2.NBT.2 2.G.3
Measurement and Data	2.MD.8	Money Word Problems with Dollars and Coins	1.OA.1 2.NBT.2 2.NBT.4 2.NBT.5

Prerequisites for Math Standards - 2nd Grade

Domain	Standard	Content	Prerequisite Standards
Measurement and Data	2.MD.9	Representing Measurement Data on a Line Plot	1.MD.4 2.MD.1 2.MD.6
Measurement and Data	2.MD.10	Using Picture Graphs and Bar Graphs	1.MD.4 2.OA.1 2.MD.6 2.MD.9
Geometry	2.G.1	Recognizing and Drawing Shapes by Attribute	K.G.2 1.G.1
Geometry	2.G.2	Partitioning Rectangles into Rows and Columns	1.G.3 2.OA.4
Geometry	2.G.3	Partitioning into Halves, Thirds, and Fourths	1.G.3 2.G.2

Prerequisites for Math Standards - 3rd Grade

Domain	Standard	Content	Prerequisite Standards
Operations and Algebraic Thinking	3.OA.1	Interpreting Products of Whole Numbers	2.NBT.2 2.G.2 2.OA.4
Operations and Algebraic Thinking	3.OA.2	Interpreting Quotients of Whole Numbers	2.OA.1 3.OA.1
Operations and Algebraic Thinking	3.OA.3	Solving Word Problems by Multiplying and Dividing Within 100	3.OA.1 3.OA.2
Operations and Algebraic Thinking	3.OA.4	Finding the Unknown in Multiplication and Division Equations	3.OA.1 3.OA.2 3.OA.3
Operations and Algebraic Thinking	3.OA.5	Applying Properties of Multiplication and Division	1.OA.6 2.OA.4 2.NBT.6 3.OA.1 3.OA.2
Operations and Algebraic Thinking	3.OA.6	Relating Multiplication and Division – Unknown Factors	2.NBT.5 3.OA.1 3.OA.2 3.OA.4 3.OA.5
Operations and Algebraic Thinking	3.OA.7	Multiplying and Dividing within 100	3.OA.5 3.OA.6
Operations and Algebraic Thinking	3.OA.8	Solving Two-Step Word Problems with the Four Operations	2.OA.1 3.OA.3 3.OA.4 3.OA.7 3.NBT.1
Operations and Algebraic Thinking	3.OA.9	Arithmetic Patterns	2.NBT.9 2.OA.3 3.OA.5
Numbers and Operations in Base Ten	3.NBT.1	Rounding to the Nearest 10 and 100	2.NBT.1 2.NBT.4
Numbers and Operations in Base Ten	3.NBT.2	Fluently Add and Subtract Up to 1,000	2.NBT.5 2.NBT.6 2.NBT.7 2.NBT.9
Numbers and Operations in Base Ten	3.NBT.3	Products of 1-Digit Numbers and Multiples of 10	2.NBT.1 3.OA.5 3.OA.7
Number and Operations: Fractions	3.NF.1	Understanding Unit and Composite Fractions	1.G.3 2.G.3 3.G.2
Number and Operations: Fractions	3.NF.2	Relating Fractions to Number Lines	2.MD.6 3.G.2 3.NF.1
Number and Operations: Fractions	3.NF.3	Understanding Equivalent Fractions	3.NF.1 3.NF.2
Measurement and Data	3.MD.1	Time to the Minute and Elapsed Time	2.NBT.2 2.MD.7
Measurement and Data	3.MD.2	Volume and Mass	2.MD.1 2.MD.3 2.MD.4 2.MD.5
Measurement and Data	3.MD.3	Creating and Interpreting Scaled Graphs	2.MD.10 3.OA.8 3.G.2
Measurement and Data	3.MD.4	Showing Measurement Data on a Line Plot: Halves and Quarters	2.MD.9 3.NF.2
Measurement and Data	3.MD.5	Understanding Area Measurement	K.G.3 1.MD.2 1.G.2 2.MD.1
Measurement and Data	3.MD.6	Measuring Area by Counting Unit Squares	2.G.2 3.MD.5
Measurement and Data	3.MD.7A	Relating Area to Multiplication	2.G.2 3.OA.3 3.MD.5 3.MD.6
Measurement and Data	3.MD.7B	Solving Area Problems	3.OA.7 3.MD.6 3.MD.7A
Measurement and Data	3.MD.7C	Area Models and the Distributive Property	3.OA.5 3.OA.7 3.MD.7A 3.MD.7B

Domain	Standard	Content	Prerequisite Standards
Measurement and Data	3.MD.7D	Area Is Additive	3.OA.7 3.MD.6 3.MD.7A
Measurement and Data	3.MD.8	Solving Perimeter Problems	2.G.2 2.MD.5 3.MD.5 3.MD.6
Geometry	3.G.1	Understand How Attributes of Shapes Relate to Their Categories	K.G.2 1.G.1 2.G.1
Geometry	3.G.2	Partitioning into Equal Areas	2.G.2 2.G.3

Prerequisites for Math Standards - 4th Grade

Domain	Standard	Content	Prerequisite Standards
Operations and Algebraic Thinking	4.OA.1	Understanding Multiplicative Comparison	3.OA.3 3.OA.5 3.OA.7
Operations and Algebraic Thinking	4.OA.2	Solving Problems with Multiplicative Comparison	3.OA.3 3.OA.7 4.OA.1
Operations and Algebraic Thinking	4.OA.3	Solving Problems with the Four Operations	3.OA.8 4.NBT.4 4.NBT.5 4.NBT.6
Operations and Algebraic Thinking	4.OA.4	Factors and Multiples	3.OA.5 3.OA.7
Operations and Algebraic Thinking	4.OA.5	Number and Shape Patterns	1.G.2 2.G.1 3.OA.9
Numbers and Operations in Base Ten	4.NBT.1	Place Value and the Magnitude of Products	2.NBT.1 3.NBT.3 4.OA.1
Numbers and Operations in Base Ten	4.NBT.2	Reading, Writing, and Comparing Multi-Digit Numbers	2.NBT.3 2.NBT.4 4.NBT.1
Numbers and Operations in Base Ten	4.NBT.3	Rounding Multi-Digit Whole Numbers to Any Place Value	3.NBT.1 4.NBT.1 4.NBT.2
Numbers and Operations in Base Ten	4.NBT.4	Using Standard Algorithms for Addition and Subtraction	2.NBT.7 3.NBT.2 4.NBT.1
Numbers and Operations in Base Ten	4.NBT.5	Strategies for Multi-Digit Multiplication	3.NBT.3 3.OA.5 3.OA.7 4.NBT.1 4.NBT.2
Numbers and Operations in Base Ten	4.NBT.6	Strategies for 4-by-1 Division with Remainders	3.OA.2 3.OA.5 3.OA.6 3.OA.7 4.NBT.1
Number and Operations: Fractions	4.NF.1	Finding Equivalent Fractions: Multiplication and Models	3.NF.3 4.OA.1
Number and Operations: Fractions	4.NF.2	Strategies for Comparing Fractions	3.NF.3 4.NF.1
Number and Operations: Fractions	4.NF.3	Adding and Subtracting Fractions with Like Denominators	3.NBT.2 3.NF.1 3.NF.2
Number and Operations: Fractions	4.NF.4	Multiplying Whole Numbers by Fractions	3.OA.1 3.OA.5 3.NF.1 4.NF.3
Number and Operations: Fractions	4.NF.5	Using Equivalent Fractions to Add Tenths and Hundredths	4.NF.1 4.NF.3
Number and Operations: Fractions	4.NF.6	Writing Tenths and Hundredths as Decimals	4.NF.1 4.NF.5
Number and Operations: Fractions	4.NF.7	Comparing Decimals to the Hundredths Place	4.NF.1 4.NF.5 4.NF.6
Measurement and Data	4.MD.1	Introduction to Unit Conversions	2.MD.2 3.MD.2 3.OA.7
Measurement and Data	4.MD.2	Solving Measurement Word Problems with the Four Operations	4.MD.1 4.NF.3 4.NF.4 4.NF.6 4.OA.3
Measurement and Data	4.MD.3	Finding and Using Area and Perimeter Formulas of Rectangles	3.OA.4 3.MD.7 3.MD.8
Measurement and Data	4.MD.4	Adding and Subtracting Fractions to Analyze Line Plot Data	2.MD.1 3.NF.2 3.MD.4 4.NF.3
Measurement and Data	4.MD.5	Understanding Angles and Degrees	3.G.1 3.G.2 4.G.1

Prerequisites for Math Standards - 4th Grade

Domain	Standard	Content	Prerequisite Standards
Measurement and Data	4.MD.6	Measuring and Drawing Angles	2.MD.1 4.G.1 4.MD.5
Measurement and Data	4.MD.7	Angles are Additive	2.MD.5 4.G.1 4.MD.5 4.MD.6
Geometry	4.G.1	Points, Lines, and Angles	2.G.1 3.G.1
Geometry	4.G.2	Classifying Shapes by Perpendicular and Parallel Sides and Right Angles	1.G.1 2.G.1 3.G.1 4.G.1
Geometry	4.G.3	Lines of Symmetry	1.G.2 3.G.2 4.G.1

Prerequisites for Math Standards - 5th Grade

Domain	Standard	Content	Prerequisite Standards
Operations and Algebraic Thinking	5.OA.1	Parentheses in Expressions	3.OA.8 4.OA.3
Operations and Algebraic Thinking	5.OA.2	Verbal and Numerical Expressions	3.OA.8 4.OA.2 4.OA.3 5.OA.1
Operations and Algebraic Thinking	5.OA.3	Analyzing Numerical Patterns	4.OA.5 5.G.1 5.G.2
Numbers and Operations in Base Ten	5.NBT.1	Place Value and Order of Magnitudes	3.NBT.3 4.NBT.1 4.NBT.2 4.NF.6
Numbers and Operations in Base Ten	5.NBT.2	Patterns with Products and Quotients of Powers of 10	3.NBT.3 4.NBT.1 4.NF.6 5.NBT.1
Numbers and Operations in Base Ten	5.NBT.3A	Read and Write Decimals to the Thousandths Place	4.NBT.1 4.NBT.2 4.NF.6 5.NBT.1 5.NBT.2
Numbers and Operations in Base Ten	5.NBT.3B	Compare Decimals to the Thousandths Place	4.NBT.2 4.NF.7 5.NBT.1 5.NBT.2 5.NBT.3A
Numbers and Operations in Base Ten	5.NBT.4	Rounding Decimals to Any Place	4.NBT.3 4.NF.6 5.NBT.2 5.NBT.3A 5.NBT.3B
Numbers and Operations in Base Ten	5.NBT.5	Using the Standard Algorithm for Multiplication	3.OA.7 4.NBT.4 4.NBT.5
Numbers and Operations in Base Ten	5.NBT.6	Strategies for 4-by-2 Division	4.NBT.4 4.NBT.6 5.NBT.1
Numbers and Operations in Base Ten	5.NBT.7	Applying Operations to Decimals to Hundredths	4.NBT.4 5.NBT.1 5.NBT.2 5.NBT.3A 5.NBT.5
Number and Operations: Fractions	5.NF.1	Adding and Subtracting Fractions with Unlike Denominators	4.NF.1 4.NF.3
Number and Operations: Fractions	5.NF.2	Solving Word Problems by Adding and Subtracting Fractions with Unlike Denominators	4.NF.2 5.NF.1
Number and Operations: Fractions	5.NF.3	Understanding Fractions as Division	3.NF.1 3.OA.6 4.OA.2 4.NF.3
Number and Operations: Fractions	5.NF.4	Multiplying Fractions	3.MD.7B 4.NF.4
Number and Operations: Fractions	5.NF.5	Multiplication as Scaling	4.OA.1 4.OA.2 4.NF.1 5.NF.4
Number and Operations: Fractions	5.NF.6	Multiplying Fractions and Mixed Numbers to Solve Problems	3.OA.1 4.OA.2 4.MD.2 4.NF.4 5.NF.4
Number and Operations: Fractions	5.NF.7	Division with Whole Numbers and Unit Fractions	3.OA.6 4.NF.4 4.NBT.6 5.NF.3 5.NF.4
Measurement and Data	5.MD.1	Using Conversions to Solve Real-World Problems	4.MD.1 4.MD.2 4.NF.4 5.NBT.1 5.NBT.7
Measurement and Data	5.MD.2	Applying Fraction Operations to Analyze Line Plot Data	4.MD.4 5.NF.2 5.NF.6 5.NF.7C

Domain	Standard	Content	Prerequisite Standards
Measurement and Data	5.MD.3	Understanding Volume Measurement	1.MD.2 2.G.1 3.MD.5
Measurement and Data	5.MD.4	Measuring Volume by Counting Unit Cubes	3.MD.6 5.MD.3A 5.MD.3B
Measurement and Data	5.MD.5A	Relating Volume to Multiplication and Addition	3.MD.7A 3.MD.7B 5.MD.3 5.MD.4
Measurement and Data	5.MD.5B	Applying Formulas for Calculating Volume	3.MD.7B 5.MD.3 5.MD.4 5.MD.5A
Measurement and Data	5.MD.5C	Volume Is Additive	3.MD.7D 5.MD.3 5.MD.4 5.MD.5A 5.MD.5B
Geometry	5.G.1	Introduction to Graphing on the Coordinate Plane	2.MD.6 4.G.1
Geometry	5.G.2	Problem Solving and the Coordinate Plane	3.MD.3 5.G.1
Geometry	5.G.3	Understanding Categorical Relationships	3.G.1 4.G.1 4.G.2
Geometry	5.G.4	Creating a Hierarchy of 2-Dimensional Figures	3.G.1 4.G.1 4.G.2 5.G.3

Prerequisites for Math Standards - 6th Grade

Domain	Standard	Content	Prerequisite Standards
Ratios and Proportional Relationships	6.RP.1	Understanding Ration Relationships between Two Quantities	4.OA.2, 4.NF.1
Ratios and Proportional Relationships	6.RP.2	Understand Unit Rates with a Ratio	5.NF.3, 5.NF.7, 6.RP.1
Ratios and Proportional Relationships	6.RP.3A	Making Tables of Equivalent Ratios to Relate and Compare Quantities	4.NF.1, 5.NF.3, 6.RP.1, 6.RP.2
Ratios and Proportional Relationships	6.RP.3B	Solving Unit Rate Problems	5.NF.5, 6.RP.1, 6.RP.2
Ratios and Proportional Relationships	6.RP.3C	Understanding Percent as a Rate per 100	6.RP.2, 6.RP.3A
Ratios and Proportional Relationships	6.RP.3D	Using Ratios to Convert Measurement Units	4.MD.1, 6.RP.1, 6.RP.2
The Number System	6.NS.1	Word Problems with Quotients of Fractions	3.OA.6, 5.NF.3, 5.NF.7
The Number System	6.NS.2	Divising Multi-Digit Numbers	5.NBT.5, 5.NBT.6, 5.NBT.7
The Number System	6.NS.3	Apply the Four Operations with Multi-Digit Decimals	5.NBT.5, 5.NBT.6, 5.NBT.7, 6.NS.2
The Number System	6.NS.4	Identifying Greatest Common Factors and Least Common Multiples	3.OA.5, 4.OA.4, 5.OA.2
The Number System	6.NS.5	Understanding Magnitude and Direction with Positive and Negative Numbers	2.MD.6, 3.NF.2, 5.G.1
The Number System	6.NS.6	Understanding Opposites and Identifying Rational Numbers on a Number Line and a Coordinate Plane	3.NF.2, 5.G.1, 6.NS.5
The Number System	6.NS.7	Comparing Rational Numbers and Understanding Absolute Value	3.NF.2, 4.NF.2, 6.NS.5, 6.NS.6
The Number System	6.NS.8	Fun with the Four Quadrants	5.G.2, 6.NS.6, 6.NS.7
Expressions and Equations	6.EE.1	Write and Evaluate Numerical Expressions Involving Whole Number Exponents	3.OA.8, 5.OA.1, 5.NBT.2
Expressions and Equations	6.EE.2	Write, Read, and Evaluate Expressions in which Letters Stand for Numbers	4.MD.3, 5.OA.1, 5.OA.2, 5.OA.3, 6.EE.1

Prerequisites for Math Standards - 6th Grade

Domain	Standard	Content	Prerequisite Standards
Expressions and Equations	6.EE.3	Applying the Properties of Operations to Generate Equivalent Expressions	3.OA.5, 5.OA.1, 5.OA.2, 6.EE.1, 6.EE.2
Expressions and Equations	6.EE.4	Identifying Equivalent Expressions	6.EE.1, 6.EE.2, 6.EE.3
Expressions and Equations	6.EE.5	Understanding Solutions of Equations and Inequalities	5.OA.2, 6.NS.7, 6.EE.2
Expressions and Equations	6.EE.6	Using Variables to Represent Numbers When Solving Problems	5.OA.2, 6.EE.2, 6.EE.5
Expressions and Equations	6.EE.7	Reason About and Solve One-Variable Equations	6.EE.2, 6.EE.5, 6.EE.6
Expressions and Equations	6.EE.8	Writing Inequalities to Represent a Real-World or Mathematical Problem	6.EE.2, 6.EE.5, 6.EE.6
Expressions and Equations	6.EE.9	Representing and Analyzing the Relationship between Independent and Dependent Variables in the Real World	5.OA.3, 6.EE.6, 6.EE.7
Geometry	6.G.1	Finding the Area of Triangles and Other Polygons	3.MD.7D, 4.MD.3, 5.NF.4, 6.EE.2
Geometry	6.G.2	Identifying Volume of Rectangular Prisms with Fractional Side Lengths	5.MD.5A, 5.MD.5B, 5.MD.5C, 5.NF.4
Geometry	6.G.3	Identifying Side Lengths on a Coordinate Plane	5.G.1, 5.G.2, 6.G.1, 6.NS.8
Geometry	6.G.4	Identifying Surface Area Using Nets	2.G.1, 4.MD.3, 6.G.1
Statistics and Probability	6.SP.1	Statistical Questions	4.MD.4, 5.MD.2
Statistics and Probability	6.SP.2	Investigating Data Distributions	4.MD.4, 5.MD.2, 6.SP.1
Statistics and Probability	6.SP.3	Calculating Measures of Center	5.MD.2, 6.SP.1, 6.SP.2
Statistics and Probability	6.SP.4	Visualizing Univariate Data	5.MD.2, 6.SP.2, 6.SP.3
Statistics and Probability	6.SP.5	Interpreting Data Sets	6.SP.1, 6.SP.2, 6.SP.3, 6.SP.4

Prerequisites for Math Standards - 7th Grade

Domain	Standard	Content	Prerequisites
Ratios and Proportional Relationships	7.RP.1	Calculating Unit Rates with Ratios of Fractions	5.NF.3, 6.NS.1, 6.RP.2, 6.RP.3B
Ratios and Proportional Relationships	7.RP.2	Representing Proportional Relationships	6.RP.2, 6.RP.3A, 7.RP.1
Ratios and Proportional Relationships	7.RP.3	Solving Multi-step Ratio and Percent Problems	6.RP.2, 6.RP.3C, 7.RP.2
The Number System	7.NS.1	Reasoning Rationally: Addition and Subtraction of Rational Numbers	5.NF.1, 6.NS.5, 6.NS.6, 6.NS.7
The Number System	7.NS.2	Reasoning Rationally: Multiplication and Division of Rational Numbers	5.NF.3, 6.NS.1, 6.NS.2, 6.NS.5, 7.NS.1
The Number System	7.NS.3	Solving Word Problems with Rational Numbers	4.OA.3, 6.NS.3, 7.NS.1, 7.NS.2
Expressions and Equations	7.EE.1	Expanding and Factoring Linear Expressions with Rational Coefficients	6.EE.3, 6.EE.4
Expressions and Equations	7.EE.2	Writing Equivalent Expressions to Interpret Quantities within a Context	6.EE.2, 6.EE.3, 6.EE.4, 7.EE.1
Expressions and Equations	7.EE.3	Understanding Multi-Step Problems	4.OA.3, 6.NS.3, 7.NS.3
Expressions and Equations	7.EE.4A	Solving Multi-Step Algebraic Equations	6.EE.5, 6.EE.6, 6.EE.7, 7.NS.3
Expressions and Equations	7.EE.4B	Solving Multi-Step Algebraic Inequalities	6.EE.5, 6.EE.6, 6.EE.8, 7.EE.4A
Geometry	7.G.1	Scale Drawings	6.G.1, 7.RP.2
Geometry	7.G.2	Constructing Triangles and Quadrilaterals	4.MD.6, 4.MD.7, 5.G.3
Geometry	7.G.3	Slicing Three-Dimensional Figures	4.G.1, 5.G.3, 6.G.4
Geometry	7.G.4	Area and Circumference of Circles	4.MD.3, 6.G.1
Geometry	7.G.5	Solving Problems with Angles	4.MD.5, 4.MD.7, 7.EE.4A
Geometry	7.G.6	Area, Volume, and Surface Area	6.G.1, 6.G.2, 6.G.4
Statistics and Probability	7.SP.1	Populations and Samples	6.SP.1, 6.SP.5, 7.SP.5

Domain	Standard	Content	Prerequisites
Statistics and Probability	7.SP.2	Creating and Using Random Samples to Draw Inferences and Analyze Sampling Variability	6.SP.5, 7.RP.3, 7.SP.1, 7.SP.5
Statistics and Probability	7.SP.3	Comparing Two Data Sets	6.SP.1, 6.SP.3, 6.SP.5
Statistics and Probability	7.SP.4	Compare Two Populations by Interpreting Sample Data	6.SP.5, 7.SP.1, 7.SP.2, 7.SP.3
Statistics and Probability	7.SP.5	Introduction to Probability	6.RP.3C, 7.RP.2
Statistics and Probability	7.SP.6	Experimental Probability and Relative Frequency	6.NS.2, 6.RP.3C, 7.SP.5
Statistics and Probability	7.SP.7	Theoretical Probability Models: Simple Events	6.NS.2, 7.SP.5, 7.SP.6
Statistics and Probability	7.SP.8	Theoretical Probability: Compound Events	7.SP.5, 7.SP.6, 7.SP.7

Prerequisites for Math Standards - 8th Grade

Domain	Standard	Content	Prerequisites
The Number System	8.NS.1	Classifying and Representing Rational and Irrational Numbers	5.NBT.2, 7.NS.2, 7.EE.3, 8.EE.2
The Number System	8.NS.2	Approximate and Compare Irrational Numbers	7.NS.1, 7.NS.2, 8.NS.1
Expressions and Equations	8.EE.1	Operations with Integer Exponents	5.NBT.2, 6.EE.1
Expressions and Equations	8.EE.2	Understanding and Applying Square Roots and Cube Roots	6.EE.5, 7.NS.3, 8.NS.1, 8.EE.1
Expressions and Equations	8.EE.3	Numbers in Scientific Notation	5.NBT.2, 6.EE.1, 8.EE.1
Expressions and Equations	8.EE.4	Operations with Numbers in Scientific Notation	5.NBT.2, 6.EE.1, 8.EE.1, 8.EE.3
Expressions and Equations	8.EE.5	Identifying and Interpreting Slope of a Proportional Relationship	6.RP.2, 6.RP.3A, 7.RP.2
Expressions and Equations	8.EE.6	Slope and the Equation of a Line	7.RP.s, 7.G.1, 8.EE.5, 8.G.4
Expressions and Equations	8.EE.7	Solving Equations in One Variable	7.EE.1, 7.EE.4A
Expressions and Equations	8.EE.8	Solving Systems of Equations	6.EE.5, 6.EE.9, 8.EE.5, 8.EE.7, 7.EE.4A
Functions	8.F.1	Introduction to Functions: Inputs and Outputs	6.EE.9, 7.RP.2
Functions	8.F.2	Comparing Functions	7.RP.2, 8.EE.5, 8.EE.6, 8.F.1
Functions	8.F.3	Identifying Linear Functions	7.RP.2, 8.F.1, 8.EE.6
Functions	8.F.4	Understanding and Interpreting Functions	7.RP.1, 7.RP.2, 8.F.2, 8.F.3
Functions	8.F.5	Describing and Identifying Functions Using Qualitative Attributes	8.F.1, 8.F.2, 8.F.3, 8.F.4
Geometry	8.G.1	Rigid Transformations and Their Effects	7.G.2, 7.G.5
Geometry	8.G.2	Understanding Congruence through Transformations	7.G.2, 7.G.5, 8.G.1
Geometry	8.G.3	Understanding the Effects of Translations, Reflections, Rotations, and Dilations	7.G.2, 7.G.5, 8.G.1, 8.G.2

Prerequisites for Math Standards - 8th Grade

Domain	Standard	Content	Prerequisites
Geometry	8.G.4	Understanding Similarity Through Transformations	8.G.1, 8.G.2, 8.G.3
Geometry	8.G.5	Properties of Angles	7.G.5, 8.EE.7, 8.G.1, 8.G.2, 8.G.4
Geometry	8.G.6	Understanding the Pythagorean Theorem	7.G.6, 8.EE.2
Geometry	8.G.7	Applying The Pythagorean Theorem	7.G.6, 8.EE.2, 8.G.6
Geometry	8.G.8	The Pythagorean Theorem on the Coordinate Plane	6.G.3, 8.EE.2, 8.G.7
Geometry	8.G.9	Volume of Cylinders, Cones, and Spheres	7.G.4, 7.G.6, 8.EE.2
Statistics and Probability	8.SP.1	Construct and Interpret Patterns in Scatter Plots	6.NS.8, 6.EE.9, 8.F.5
Statistics and Probability	8.SP.2	Using Lines of Best Fit to Model Bivariate Data	8.SP.1, 8.F.3, 8.F.4
Statistics and Probability	8.SP.3	Using Equations of Best Fit Lines to Solve Problems in Context	6.EE.9, 8.F.4, 8.SP.2
Statistics and Probability	8.SP.4	Display Data in a 2-Way Table	6.SP.1, 7.SP.2, 7.SP.6, 8.SP.1

Prerequisites for Math Standards - Algebra

Domain	Standard	Content	Prerequisites
Arithmetic with Polynomials and Rational Expressions	A-APR.1	Operations with Polynomials	6.EE.3 7.EE.1 8.EE.1
Arithmetic with Polynomials and Rational Expressions	A-APR.2	Understanding and Using the Remainder Theorem	F-IF.2 A-APR.1
Arithmetic with Polynomials and Rational Expressions	A-APR.3	Sketching Graphs of Polynomials	F-IF.7C A-APR.2
Arithmetic with Polynomials and Rational Expressions	A-ARP.6	Division of Polynomials	A-SSE.2 A-APR.1 A-APR.2
Arithmetic with Polynomials and Rational Expressions	A-ARP.7	Determining Closure of Rational Expressions	A-SSE.2 A-APR.1 A-APR.6
Creating Equations	A-CED.1	Creating Equations and Inequalities	A-REI.2 A-REI.3 A-REI.4
Creating Equations	A-CED.2	Creating and Graphing Equations in Two Variables	A-REI.10 A-CED.1
Creating Equations	A-CED.3	Modeling Contexts with Systems of Equations and Inequalities	8.EE.8 A-CED.1 A-CED.2
Creating Equations	A-CED.4	Solving Formulas for a Particular Quantity	A-REI.2 A-REI.3 A-REI.4
Equations and Inequalitites	A-REI.1	Justifying Solutions to Equations	6.EE.5 8.EE.7
Equations and Inequalitites	A-REI.10	Graphs of Equations in Two Variables	8.EE.5 8.EE.7
Equations and Inequalitites	A-REI.2	Solving Rational and Radical Equations	8.EE.7 A-APR.7
Equations and Inequalitites	A-REI.3	Solving Equations and Inequalities in One Variable	6.EE.8 7.EE.4B 8.EE.7 A-REI.1
Equations and Inequalitites	A-REI.4	Solving Quadratic Equations	8.EE.2 A-CED.1 A-SSE.3 F-IF.7
Equations and Inequalitites	A-REI.5	Exploring the Elimination Method	8.EE.8 A-REI.1
Equations and Inequalitites	A-REI.6	Solving Systems of Linear Equations	8.EE.8 A-REI.5
Seeing Structure in Expressions	A-SSE.1	Understanding and Writing Expressions	6.EE.2, 7.EE.1, 7.EE.2, A-ARP.1
Seeing Structure in Expressions	A-SSE.2	Factoring Polynomial Expressions	6.NS.4 6.EE.3 A-APR.1
Seeing Structure in Expressions	A-SSE.3	Understanding Equivalent Quadratic and Exponential Expressions	N-RN.2 A-CED.1 A-SSE.1 A-SSE.2 F-IF.7

Domain	Standard	Content	Prerequisites
Interpreting Functions	F-IF.1	Understanding Functions, Domain, and Range	8.F.1
Interpreting Functions	F-IF.2	Evaluating Functions	F-IF.1
Interpreting Functions	F-IF.3	Understanding Sequences and Their Structure	F-LE.1 F-IF.2
Interpreting Functions	F-IF.4	Identifying Key Features of Functions	8.F.5 F-IF.1 F-IF.2
Interpreting Functions	F-IF.5	Domains of Functions	F-IF.1 F-IF.2
Interpreting Functions	F-IF.6	Calculate Average Rate of Change	8.F.4 8.EE.5 8.EE.6
The Real Number System	N-RN.2	Properties if Rational Exponents	8.EE.1, N-RN.1
Interpreting Categorical & Quantitative Data	S-ID.2	Comparing Data Sets	6.SP.5 S-ID.1 N-RN.2