



Purpose of Document

This document describes the prerequisites for each ST Math Objective in the 2023-2024 school year Common Core curriculum. Any effective reordering of Objectives should respect the indicated Objective prerequisites in order to avoid breaking the internal coherence, schema building, and content dependencies that exist between certain Objective pairs.

Considerations for Curriculum Reordering

Even though the ST Math Objective order can be changed to match your school / textbook topic ordering, the length of time students spend on topics may differ due to the personalized nature of ST Math. For example, your school / textbook syllabus may schedule 2 weeks for Counting to 10, but students who need more time may take 4 weeks in ST Math.

Prerequisite Objectives

Prerequisite Objectives should be played before the indicated ST Math Objective. The left side of the table below displays each ST Math Objective in the default order and the right side shows the immediate prerequisite for each Objective.

Please consider: Any immediate prerequisite in the right column may have its own prerequisites. Objectives that are positioned by default later in the Journey will likely have a chain of prerequisites.

Grade 7

Journey

ST Math Objective	Is a prerequisite for	Prerequisite(s)
Addition and Subtraction with Negative Numbers	1 Objective	
Multiplication and Division with Negative Numbers	1 Objective	
Proportional Relationships		
Percents with Increases and Decreases	1 Objective	
Unit Rates, Tables, and Graphs (G7)	1 Objective	
Rational Concepts (G7)		
Adding and Subtracting Rational Numbers		Addition and Subtraction with Negative Numbers
Multiplying and Dividing Rational Numbers		Multiplication and Division with Negative Numbers
Properties of Operations	1 Objective	
Modeling with Expressions		Properties of Operations
Solving One-Step Equations (G7)	1 Objective	
Solving Two-Step Equations (G7)		Solving One-Step Equations (G7)
Linear Relationships		
Multi-Step Percents		Percents with Increases and Decreases
Applying Rates and Ratios		Unit Rates, Tables, and Graphs (G7)
Scale and Slope Graphs (G7)		
Polygon Angle Sums		
Probability		
Line Plots and Summary Statistics (G7)		

Bonus

ST Math Objective	Is a prerequisite for	Prerequisite(s)
Challenge 7		
Cognitive Training		
Summer Bridge Grade 7		