

## Textbook Information

Name of Textbook: Envision Math

Unit	Benchmarks
Tri 1	
Algebraic Reasoning <i>(updated 9/3/25)</i>	<p>MA.7.AR.1.1(A) Apply properties of operations to add and subtract linear expressions with rational coefficients.</p> <p>MA.7.AR.1.2(A) Determine whether two linear expressions are equivalent.</p> <p>MA.7.AR.2.1(A) Write and solve one-step inequalities in one variable within a mathematical context and represent solutions algebraically or graphically.</p> <p>MA.7.AR.2.2(A) Write and solve two-step equations in one variable within a mathematical or real-world context, where all terms are rational numbers.</p> <p>MA.7.AR.3.1(A) Apply previous understanding of percentages and ratios to solve multi-step realworld percent problems.</p> <p>MA.7.AR.3.2(A) Apply previous understanding of ratios to solve real-world problems involving proportions.</p> <p>MA.7.AR.3.3(A) Solve mathematical and real-world problems involving the conversion of units across different measurement systems.</p> <p>MA.7.AR.4.1(A) Determine whether two quantities have a proportional relationship by examining a table, graph or written description.</p> <p>MA.7.AR.4.2(A) Determine the constant of proportionality within a mathematical or real-world context given a table, graph or written description of a proportional relationship.</p> <p>MA.7.AR.4.3(A) Given a mathematical or real-world context, graph proportional relationships from a table, equation or a written description.</p> <p>MA.7.AR.4.4(A) Given any representation of a proportional relationship, translate the representation to a written description, table or equation.</p> <p>MA.7.AR.4.5(A) Solve real-world problems involving proportional relationships.</p>
Unit	Benchmarks
Tri 2	
Geometric Reasoning <i>(updated 9/3/25)</i>	<p>MA.7.GR.1.1(A) Apply formulas to find the areas of trapezoids, parallelograms and rhombi.</p> <p>MA.7.GR.1.2(A) Solve mathematical or real-world problems involving the area of polygons or composite figures by decomposing them into triangles or quadrilaterals.</p> <p>MA.7.GR.1.3(A) Explore the proportional relationship between circumferences and diameters of circles. Apply a formula for the circumference of a circle to solve mathematical and real-world problems.</p> <p>MA.7.GR.1.4(A) Explore and apply a formula to find the area of a circle to solve mathematical and real-world problems.</p> <p>MA.7.GR.1.5(A) Solve mathematical and real-world problems involving dimensions and areas of geometric figures, including scale drawings and scale factors.</p> <p>MA.7.GR.2.1(A) Given a mathematical or real-world context, find the surface area of a right circular cylinder using the figure's net.</p> <p>MA.7.GR.2.2(A) Solve real-world problems involving surface area of right circular cylinders.</p> <p>MA.7.GR.2.3(A) Solve mathematical and real-world problems involving volume of right circular cylinders.</p>
Unit	Benchmarks
Tri 3	
Data Analysis and Probability <i>(updated 9/3/25)</i>	<p>MA.7.DP.1.1(A) Determine an appropriate measure of center or measure of variation to summarize numerical data, represented numerically or graphically, taking into consideration the context and any outliers.</p> <p>MA.7.DP.1.2(A) Given two numerical or graphical representations of data, use the measure(s) of center and measure(s) of variability to make comparisons, interpret results and draw conclusions about the two populations.</p> <p>MA.7.DP.1.3(A) Given categorical data from a random sample, use proportional relationships to make predictions about a population.</p> <p>MA.7.DP.1.4(A) Use proportional reasoning to construct, display and interpret data in circle graphs.</p> <p>MA.7.DP.1.5(A) Given a real-world numerical or categorical data set, choose and create an appropriate graphical representation.</p>

## Curriculum Map - Mathematics - 7th Grade Math Best Standards

MA.7.DP.2.1(A)

Determine the sample space for a simple experiment.

MA.7.DP.2.2(A)

Given the probability of a chance event, interpret the likelihood of it occurring. Compare the probabilities of chance events.

MA.7.DP.2.3(A)

Find the theoretical probability of an event related to a simple experiment.

MA.7.DP.2.4(A)

Use a simulation of a simple experiment to find experimental probabilities and compare them to theoretical probabilities.