

7th Grade EXCEED Goals and Measures

Area of Concern	Goal	GoalText	Progress Monitoring
Algebraic Thinking (RT7)	Solve Real-Life and Mathematical Problems using Numerical and Algebraic Expressions and Equations (7th Grade)	Name will solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies with % percent accuracy.	EasyCBM - 7th - Number, Operation and Algebra
Algebraic Thinking (RT7)	a. Use Properties of Operations to Generate Equivalent Expressions (7th Grade)	Name will apply properties of operations as strategies to add, subtract, factor and expand linear expressions with rational coefficients with % percent accuracy.	EasyCBM - 7th - Number, Operation and Algebra
Algebraic Thinking (RT7)	b. Use Properties of Operations to Generate Equivalent Expressions (7th Grade)	Name will understand that rewriting an expression in different forms can shed light on the problem and how the quantities are related with % percent accuracy.	EasyCBM - 7th - Number, Operation and Algebra
Data and Statistics (RT9)	Probability Modeling (7th Grade)	Name will understand that the probability of an event occurring is a number between 0 and 1. Collect data and create models to predict the probability of an event or compound event occurring with % percent accuracy.	Data Collection - Math
Data and Statistics (RT9)	Statistical Sampling and Analysis (7th Grade)	Name will understand how random sampling is used to gain information about a population. Use sampling to draw inferences about a population and to compare two populations with % percent accuracy.	Data Collection - Math
Geometry (RT 6, RT8)	Draw, Construct, and Describe Geometrical Figures and Describe the relationships between them (7th Grade)	Name will solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale with % percent accuracy. (Focus on constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle)	EasyCBM - 7th - Number and Operations, Algebra and Geometry

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Geometry (RT 6, RT8)	Solve Real-Life and Mathematical Problems involving Angle Measure (7th Grade)	Name will use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure with % percent accuracy.	EasyCBM - 7th - Number and Operations, Algebra and Geometry
Geometry (RT 6, RT8)	Solve Real-Life and Mathematical Problems involving Circumference and Surface Area of a Circle (7th Grade)	Name will know the formulas for the area and circumference of a circle and use them to solve problems with % percent accuracy.	EasyCBM - 7th - Number and Operations, Algebra and Geometry
Geometry (RT 6, RT8)	Solve Real-Life and Mathematical Problems involving Surface Area, and Volume (7th Grade)	Name will solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms with % percent accuracy.	EasyCBM - 7th - Measurement, Geometry and Algebra
Number Systems (RT1, RT2)	Apply and Extend previous understanding of number to the system of Rational Numbers (7th Grade)	Name will apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers with % percent accuracy.	Data Collection - Math
Operations (RT3, RT4)	Analyze Proportional Relationships and use them to Solve Real-World and Mathematical Problems (7th Grade)	Name will compute unit rates associated with ratios of fractions, recognize and represent proportional relationships between quantities and use proportional relationships to solve multi-step ratio and percentage problems with % percent accuracy.	Data Collection - Math
Ratio & Proportional Relationships	Analyze Proportional Relationships (7th Grade)	Name will compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units with % percent accuracy.	Data Collection - Ratio & Proportional Relationships
Ratio & Proportional Relationships	Recognize and Proportional Relationships to solve Real-World and Mathematical Problems (7th Grade)	Name will recognize and use proportional relationships to solve multistep ratio and percent problems with % percent accuracy.	Data Collection - Ratio & Proportional Relationships