

Grade Level	Number, Number Sense & Operations	Geometry & Spatial Sense	Patterns, Function, & Algebra	Data Analysis & Probability	Measurement	Mathematical Processes
Grade 7 Ohio's New Learning Standards MATH	The Number System: 7.NS.1. Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.	Geometry:	Expressions and Equations: 7.EE.1. Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.	Statistics and Probability:	Ratios and Proportional Relationships: 7.RP.2. Recognize and represent proportional relationships between quantities.	
Grade 8 Ohio's New Learning Standards MATH	The Number System:	Geometry: 8.G.1. Verify experimentally the properties of rotations, reflections, and translations.	Expressions and Equations: 8.EE.8. Analyze and solve pairs of simultaneous linear equations. Solve real-world and mathematical problems leading to two linear equations in two variables.	Statistics and Probability: 8.SP.2. Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line.	Functions:	
HS: Ohio's New Learning Standards MATH	Number and Quantity: Reason quantitatively and use units to solve problems.	Geometric Measurement and Dimension: Visualize relationships between 2 and 3 dimensional objects.	Reasoning with equations and inequalities: Represent and solve equations and inequalities graphically.	Statistics and Probability: Use probability to make decisions.	Functions:	