

Grade Level	Number, Number Sense & Operations	Geometry & Spatial Sense	Patterns, Function, & Algebra	Data Analysis & Probability	Measurement	Mathematical Processes
Grade 5 Ohio's New Learning Standards MATH	Number and Operations - Base Ten: 5.NBT.1. Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.	Geometry:	Operations and Algebraic Thinking: 5.OA.2. Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them.	Number and Operations - Fractions: 5.NF.6. Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem. 5.NF.7. Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.1	Measurement and Data: 5.MD.3. Recognize volume as an attribute of solid figures and understand concepts of volume measurement.	
Grade 6 Ohio's New Learning Standards MATH	The Number System: 6.NS.7. Write, interpret, and explain statements of order for rational numbers in real-world contexts.	Geometry:	Expressions and Equations: 6.EE.1. Write and evaluate numerical expressions involving whole-number exponents. 6.EE.2. Write, read, and evaluate expressions in which letters stand for numbers.	Statistics and Probability: 6.SP.1. Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers.	Ratios and Proportional Relationships: 6.RP.1. Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.	
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:	