WALLKILL CENTRAL SCHOOL DISTRICT

Together We Can Make a Difference

Last updated: **8/23/2023**

2023-2024 Grade 6 Mathematics: Quarter 2: Weeks 11-21: Topics 2 & 4

Options	Standards	Learning Targets	Text Next Generation Alignment	Supplemental Materials/Resources	Fluency	Vocabulary
	(2) CSDF.4-6.CT.6 (2) CSDF.4-6.CT.8 (1) NY-6.G.3 (1) NY-6.NS.5 (1) NY-6.NS.6 (1) NY-6.NS.7 (1) NY-6.NS.8	**Topic 2** - Identify opposites of integers - Compare and order integers - Use integers to represent real-world quantities and explain the meaning of 0 in each context - Plot rational numbers on a number line - Compare and order rational numbers - Use rational numbers to represent real-world quantities - Use absolute value to represent a number's distance from 0 - Interpret absolute value in real-world situations - Identify and graph points with rational coordinates on a coordinate plane - Reflect points across both axes - Use absolute value to find the distance between two points on a coordinate plane - Find side lengths of polygons on the coordinate plane	**Topic 2** 2-1 Exploring & Understanding Integers 2-2 Represent Rational Numbers on Number Line 2-3 Absolute Values of Rational Numbers 2-4 Represent Rational Numbers on the Coordinate Plane 2-5 Find distances on the Coordinate Plane 2-6 Represent Polygons on the Coordinate Plane	**Topic 2** Integers M.1-M.10 Coordinate Plane X.1-X.9 Math Virtual Manipulatives (to project to whole class) Envision Online: • Reteach • Vocabulary Support • Enrichment pages • Build Math Literacy • Visual Learning Animation • 3 Act Math Video and Modeling • Today's Challenge **Additonal practice** at the end of each lesson. **Chapter review** p. 112-114. Envision Concepts and Skills Review located online under Chapter Resources can be used at the end of each chapter or for state test review in the spring.	**Topic 2** • Fluency Practice pg. 115 • IXL • Kahoots	**Topic 2** • **Absolute Value** • Coordinate Plane • Integers • Opposites • Ordered Pairs • Origin • Quadrants • Rational Number • x- and y- axes • Positive Number • Negative Number • Reflection • Deposit/Credit • Withdrawal • Depth/Height • Below sea level/Above sea level • Profit/Loss/Debt/Income/Expense

Help

Options	Standards	Learning Targets	Text Next Generation Alignment	Supplemental Materials/Resources	Fluency	Vocabulary
		- Find the perimeter of polygons on the coordinate plane				
	(2) CSDF.4-6.CT.6 (2) CSDF.4-6.CT.8 (1) NY-6.EE.5 (1) NY-6.EE.7 (1) NY-6.EE.8 (1) NY-6.EE.9	**Topic 4** Objectives: -Identify equations and variables -Use substitution to find solutions to equations -Use properties of equality to keep both sides of an equation equal -Identify properties of equality are used to write equivalent expressions -Write one-variable addition and subtraction equations -Use inverse relationships and properties of equality to solve one step addition and subtraction equations. -Write one variable multiplication and division equations -Use inverse operations to solve -Write and solve equations that involve fractions, decimals, and mixed numbers. -Understand the symbols required to write an inequality -Write inequalities to describe math or real-world situations	**Topic 4** 4-1 Understand Equations and Solutions 4-2 Apply Properties of Equality 4-3 Write and Solve Addition and Subtraction Equations 4-4 Write and Solve Multiplication and Division Equations 4-5 Write and Solve Equations with Rationla Numbers 4-6 Understand and Write Inequalities 4-7 Solve Inequalties *Supplement material- not in Invisions* 4-8 Understand Dependent and Indpendent Variables 4-9 Use Patterns to Write and Solve Equations 4-10 Relate Tables, Graphs, and Equations	**Topic 4** **Envision Online:** • Reteach • Vocabulary Support • Enrichment pages • Build Math Literacy • Visual Learning Animation • 3 Act Math Video and Modeling • Today's Challenge www.Brainpop.com videos: • Variables • Equations with variables • Distance, Rate, Time • Inequalities www.lxl.com Equations Z.1-Z.19 Inequalities AA.1-AA.7	**Topic 4** Fluency p. 259 Kahoots IXL	**Topic 4** • Addition Property of Equality • Subtraction Property of Equality • Multiplication Property of Equality • Division Property of Equality • Dependent Variable • Independent Variable • Equation • Inequality • Inverse relationships • Solution of equations