WALLKILL CENTRAL SCHOOL DISTRICT

Together We Can Make a Difference

Last updated: **8/22/2023**

2023-2024 Grade 5 Mathematics: Quarter 4: Weeks 25-30: Topics 13-15 & 17

Options	Standards and Focus Skills	Mini Lesson Overview	Supplemental Materials/Resources
	Topic 13 **Standards** 5.OA.1 5.OA.2 5.OA.3 **Focus Skills** • Use parentheses, brackets, or braces in numerical expressions. • Evaluate numerical expresssions with parentheses, brackets, or braces • Write numerical expressions that record calculations • Interpret numerical expressions.	**Topic 13** **Vocabulary** • Numerical expression • Evaluate • Order of Operations • Parentheses • Brackets • Braces **Lesson Layout** • Solve & Share • Visual Learning • Guided Practice (student edition) • Independent Practice (student edition) • Quick Check (online) **Lesson Order (one lesson per day)** • 13-1 *Evaluate Expressions* • 13-3 *Interpret Numerical Expressions* • 13-2 *Write Numerical Expressions* • 13-4 *Problem Solving: Reasoning***Optional**	**Topic 13** **IXL Math:** • IXL Skills Plan **Freckle Math** (adaptable practice linked to students STAR) **Within Student Workbook** • End of Topic Fluency Review Activity • Vocab Review • End of topic Reteaching • End of topic Assessment Practice **Pearson Online:** • 3 Act Math • Convince Me • Problem Solving • Today's Challenge • Daily Review • Practice Buddy** *(adaptive)*
	Topic 14 **Standards** 5.G.1 5.G.2 **Focus Skills** • Understand a coordinate system • Graph points in the first quadrant of the coordinate plane	**Topic 14** **Vocabulary** • Coordinate grid • Ordered pair • x-axis • y-axis • Origin • x-coordinate • y-coordinate	**Topic 14** **IXL Math:** • IXL Skills Plan **Freckle Math** (adaptable practice linked to students STAR) **Within Student Workbook** • End of Topic Fluency Review Activity • Vocab Review

Help

Options	Standards and Focus Skills	Mini Lesson Overview	Supplemental Materials/Resources
	• Interpret coordinate values of point in the ifrst quadrant of the coordinate plane.	**Lesson Layout** • Solve & Share • Visual Learning • Guided Practice (student edition) • Independent Practice (student edition) • Quick Check (online) **Lesson Order (one lesson per day)** • 14-1 *The Coordinate System* • 14-2 *Graph Data Using Orderd Pairs* • 14-3 *Solve Problems Using Orderd Pairs (optional)*	• End of topic Reteaching • End of topic Assessment Practice **Pearson Online:** • 3 Act Math • Convince Me • Problem Solving • Today's Challenge • Daily Review • Practice Buddy** *(adaptive)*
	Topic 15 **Standards** 5.G.1 5.G.2 **Focus Skills** • Generate two numerical patterns using two given rules. • Identify relationships between corresponding terms in two numerical patterns. • Form ordered pairs from two numerical patterns. • Graph ordered pairs generated by two patterns. • Graph points in the first quadrant of the coordinate plane. • Interpret oordinate vaues of points in the first quadrant of the coordinate plane.	**Topic 15** **Vocabulary** • Corresponding terms • Number sequence **Lesson Layout** • Solve & Share • Visual Learning • Guided Practice (student edition) • Independent Practice (student edition) • Quick Check (online) **Lesson Order (one lesson per day)** • 15-1 *Numerical Patterns* • 15-2 *More Numerical Patterns* • 15-3 *Analyze and Graph Relationships*	**Topic 15** **IXL Math:** • IXL Skills Plan **Freckle Math** (adaptable practice linked to students STAR) **Within Student Workbook** • End of Topic Fluency Review Activity • Vocab Review • End of topic Reteaching • End of topic Assessment Practice **Pearson Online:** • 3 Act Math • Convince Me • Problem Solving • Today's Challenge • Daily Review • Practice Buddy** *(adaptive)*
	Topic 17 **Focus Skills** • Divide a whole number by any fraction. • Divide any fraction by a whole number. • Are introduced to the concept of integers. • Read, write, compare, and order positive and negative numbers. • Use integers in real-world contexts. • Extend their knowledge to plot ordered pairs with integer and rationalcoordinates in all four quadrants of a coordinate plane and to reflectpoints across both axes.	**Topic 17** **Lesson Layout** • Explore It! • Explain It! • Solve & Discuss It! • Try It! **Lesson Order** 17-1 *Undertsand Division of Fractions*	**Topic 17** **IXL Math:** • IXL Skills Plan **Freckle Math** (adaptable practice linked to students STAR) **Within Student Workbook** • End of Topic Fluency Review Activity • Vocab Review • End of topic Reteaching

Options	Standards and Focus Skills	Mini Lesson Overview	Supplemental Materials/Resources
	• Extend their understanding of exponents to include other bases. • Learn how to write and evaluate expressions withwhole-number exponents. • Are introduced to the concept of equations. • Determine whether a given number is a solution of an equation. • Substitute given values for the variable to see which value,if any, makes the equation true. • Use equations in real-world contexts. • Develop an understanding of ratios as a comparison of two quantities andlearn to express ratios in three ways. • Extend their knowledge of models as they use bar diagrams and doublenumber line diagrams to represent ratio relationships. • Develop an understanding of ratios as a comparison of two quantities andlearn to express ratios in three ways. • Extend their knowledge of models as they use bar diagrams and doublenumber line diagrams to represent ratio relationships. • Learn that a percent is a special type of ratio comparing a part to a wholein which the whole is 100. • Write percents as fractions and decimals. • Write decimals as fractions and percents. • Write fractions as decimals and percents. • Extend what they know about areas of rectangles to derive the formula forthe area of a parallelogram. • Use the formula for the area of a parallelogram to solve real-world andmathematical problems.	17-2 *Understand Integers* 17-3 *Rational Numbers on the Coordinate Plane* 17-4 *Understand and Represent Exponents* 17-5 *Understand Equations and Solutions* 17-6 *Understand Ratios* 17-7 *Understand Rates and Unit Rates* 17-8 *Understand Percent* 17-9 *Relate Fractions, Decimals, and Percents* 17-10 *Find Areas of Parallelograms and Rhombuses*	• End of topic Assessment Practice **Pearson Online:** • 3 Act Math • Convince Me • Problem Solving • Today's Challenge • Daily Review • Practice Buddy** *(adaptive)*