WALLKILL CENTRAL SCHOOL DISTRICT

Together We Can Make a Difference

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

2023-2024 Grade 5 Mathematics: Quarter 3: Weeks 17- 24: Topics 9-12 & 16

Options	Standards and Focus Skills	Mini Lesson Overview	Supplemental Materials/Resources
	Topic 9 **Standards** 5.NF.3 5.NF.7 5.NF.7a 5.NF.7b 5.NF.7c **Focus Skills** • Inerpret a fraction as division • Solve word problems involving division of whole numbers wih answers that are fractions or mixed numbers • Divide whole numbers and unit fractions. • Interpret division of a unit fraction by a whole number. • Interpret dvision of a whole number by a unit fraction. • Solve real-world problems involving division of fractions and whole numbers.	**Topic 9** **Vocabulary** • Unit fraction **Lesson Layout** • Solve & Share • Visual Learning • Guided Practice (student edition) • Independent Practice (student edition) • Quick Check (online) **Lesson Order (one lesson per day)** • 9-1 *Fractions and Division* • 9-2 *Fractions and Mixed Numbers as Quotients* • 9-3 *Use Multiplication to Divide* • 9-4 *Divide Whole Numbers by Unit Fractions* • 9-5 *Divide Unit Fractions by Non-Zero Whole Numbers* • 9-7 *Solve Problems Using Division*	**Topic 9** **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 11 **Standard** 5.MD.3 5.MD.3a 5.MD.3b 5.MD.4 5.MD.5 5.MD.5a 5.MD.5b	**Topic 11** **Vocabulary** • Volume • Cubic unit • Cube • Rectangular prism • Unit cube • Formula **Lesson Layout**	**Topic 11** **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

Help

Options	Standards and Focus Skills	Mini Lesson Overview	Supplemental Materials/Resources
	5.MD.5c **Focus Skills** • Recognize volume as an attribute of solid figures • Understand concepts of volume measurement • Understand the concept of cubic unit • Relate *n* unit cubes to a volume of *n* cubic units • Measure volumes by counting in cubic inches and feet. • Measure volumes by counting in unit cubes in improvised units. • Relate volume to the operations of multiplication and addition. • Solve real-world and mathematical problems involving volume. • Show that the volume of a right rectangular prism can be found by multiplying the edge lengths • Show that the volume of a right rectangular prism can be found by multiplying the height by the area of the base. • Reprepresent threefold whole-number products as volumes • Use te formulas $V = l \times w \times h$ and $V = b \times h$ for rectangular prisms • Find volumes of solid figures composed of two non-overlapping right rectangular prisms.	• Solve & Share • Visual Learning • Guided Practice (student edition) • Independent Practice (student edition) • Quick Check (online) **Lesson Order (one lesson per day)** • 11-1 *Model Volume* • 11-2 *Develop a Volume Formula* • 11-3 *Combine Volumes of Prisms* • 11-4 *Solve Word Problems Using Volume*	• End of topic Assessment Practice **Pearson Online:** • 3 Act Math • Convince Me • Problem Solving • Today's Challenge • Daily Review • Practice Buddy** *(adaptive)*
	Topic 12 **Standards** 5.MD.1 **Focus Skills** • Convert measurement units • Use conversions to solve real-world problems.	**Topic 12** **Vocabulary** • Foot (ft.) • Inch (in.) • Yard (yd.) • Mile (mi) • Capacity • Gallon (gal) • Quart (qt) • Pint (pt) • Cup (c) • Fluid ounce (oz) • Weight • Ton (T) • Pound (lb) • Ounce (oz) • Kilometer (km) • Meter (m) • Centimeter (cm) • Millimeter (mm) • Liter (L) • Milliliter (mL) • Mass • Milligram (mg) • Gram (g) • Kilogram (kg)	**Topic 12** **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)*

Options	Standards and Focus Skills	Mini Lesson Overview	Supplemental Materials/Resources
		Lesson Layout • Solve & Share • Visual Learning • Guided Practice (student edition) • Independent Practice (student edition) • Quick Check (online) **Lesson Order (one lesson per day)** • 12-1 *Convert Customary Units of Length* • 12-2 *Convert Customary Units of Capacity* • 12-3 *Convert Customary Units of Weight* • 12-4 *Convert Metric Units of Length* • 12-5 *Convert Metric Units of Capacity* • 12-6 *Convert Metric Units of Mass* • 12-7 *Convert Units of Time* • 12-8 *Solve Word Problems Using Measurement Conversions*	
	Topic 16 **Standard** 5.G.1 5.G.2 **Focus Skills** • Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. • Classify two-dimensional figures in a hierarchy based on properties. • Use a Venn diagram to organize two-dimensional figures based on the attributes of the figures.	**Topic 16** **Vocabulary** • equilateral triangle • isosceles triangle • scalene triangle • right triangle • acute triangle • obtuse triangle • trapezoid • parallelogram • rectangle • rhombus • square **Lesson Layout** • Solve & Share • Visual Learning • Guided Practice (student edition) • Independent Practice (student edition) • Quick Check (online) **Lesson Order (one lesson per day)** • 16-1 *Classify Triangles* • 16-2 *Classify Quadrilaterals* • 16-3 *Continue to Classify Quadrilaterals*	**Topic 16** **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)*

Options	Standards and Focus Skills	Mini Lesson Overview	Supplemental Materials/Resources
	Topic 10 **Standards** 5.MD.2 **Focus Skills** • Make a line plot to display a data set of measurements in fractions of a unit. • Solve problem involviing fraction operations by using measurement data in line plots. • Solve word problems involving addition of fractions • Solve word problems involving subtraction of fractions • Solve real-world problems involving multiplication of fractions • Solve real-world problems involving division of fractions and whole numbers.	**Topic 10** **Vocabulary** • Data • Line plot **Lesson Layout** • Solve & Share • Visual Learning • Guided Practice (student edition) • Independent Practice (student edition) • Quick Check (online) **Lesson Order (one lesson per day)** • 10-1 *Analyze Line Plots* • 10-2 *Make Line Plots* • 10-3 *Solve Word Problems Using Measurement Data* • 10-4 *Problem Solving: Critique Reasoning***Optional**	**Topic 10** **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)*