WALLKILL CENTRAL SCHOOL DISTRICT

Together We Can Make a Difference

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

2023-2024 Grade 6 Mathematics: Quarter 1: Weeks 1-10: Topics 1 & 3

Options	Standards	Learning Targets	Text Next Generation Alignment	Supplemental Materials/Resources	Fluency	Vocabulary
	(1) 5.MD.1 (1) 5.MD.2 (1) 5.MD.3 (1) 5.MD.3.a (1) 5.MD.3.b (1) 5.MD.4 (1) 5.MD.5 (1) 5.MD.5.a (1) 5.MD.5.b (1) 5.MD.5.c (1) 5.NBT.1 (1) 5.NBT.2 (1) 5.NBT.3 (1) 5.NBT.3.a (1) 5.NBT.3.b (1) 5.NBT.4 (1) 5.NBT.5 (1) 5.NBT.6	**Foundations** I can identify place values of whole numbers. I can round whole numbers and decimals I can add, subtract, multiply, and divide whole numbers. I can multiply and divide whole numbers by multiples of 10. I can divide with zeroes in the quotient. I can estimate with whole numbers.	**Foundations:** **Basic Skills:** Use the Math Diagnosis and Intervention System (MDIS) on Pearson website	**Foundations:** www.IXL.com basic practice topics: Whole Numbers, Multiplication, Division Math Virtual Manipulatives (to project to whole class) **Videos:** Division, Rounding, Multiplication -- www.brainpop.com **Games:** • Math Man Fluency Games • www.Multiplication.com	**Foundations:** Fluency Activities • Kahoots and IXL	**Foundations:** • Place value • Estimate • Addend • Compatible numbers • Equivalent • Factor • Product • Quotient • Divisor • Dividend • Multiple • Difference • Sum

Help

Options	Standards	Learning Targets	Text Next Generation Alignment	Supplemental Materials/Resources	Fluency	Vocabulary
	(1) 5.NBT.7 (3) CSDF.4-6.CT.6 (3) CSDF.4-6.CT.8					
	(3) CSDF.4-6.CT.6 (3) CSDF.4-6.CT.8 (1) NY-5.NF.4 (1) NY-6.NS.1 (1) NY-6.NS.2 (1) NY-6.NS.3	**Topic 1** Objectives: - Add and subtract decimals - Add, Subtract, Multiply decimals in real-world situations - Use place value structure to divide whole numbers and decimals - Divide whole numbers and decimals to solve real-world problems - Use models to multiply fractions - Multiply numerators and denominators to dind product of two fractions - Multiply mixed numbers - Use models and equations to divide fractions - Use models and an algorithm to divide fractions - Divide mixed numbers - Estimate the quotient of mixed numbers - Solve multipstep problems with fractions and decimals	**Topic 1** 1-1 Add, Subtract, Multiply Decimals 1-2 Divide with Remainders 1-3 Multiply Fractions 1-4 Understanding Division with Fractions 1-5 Divide Fraction by Fraction 1-6 Dividing Mixed Numbers 1-7 Solve Problms with Rational Numbers	**Topic 1** www.Brainpop.com videos: • Decimals • Fractions • Mixed Numbers • Simplifying Fractions • Rounding Math Virtual Manipulatives (to project to whole class) www.Ixl.com Topics: • Decimals- Add/Subtract Decimals, Multiply/Divide Decimals • Fractions- Multiply and Divide Savvas Realize (Envision): • Reteach • Vocabulary Support • Enrichment pages • Build Math Literacy • Visual Learning Animation • 3 Act Math Video and Modeling • Today's Challenge **Fluency practice** Text p. 61 **Chapter review** Topic 1 Concept and Skills Review - located at the end of the chapter p. 58-60	**Topic 1** Fluency Activities • Fluency p. 61 • Kahoots • IXL	**Topic 1** • Annex • Zeros • Compatible Numbers • Decimal Point • Estimate • Hundredths • Tenths • Rounding • Algorithm • Denominator • Numerator • Mixed Number • Unit Fraction • Reciprocal • Regroup • Product • Factors • Quotient

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				Games: • "Slide and Score" text page 30 • Thinking Blocks Fraction of a Fraction • Find the Equivalent Fraction Sprint • Reduce Fractions Sprint • Convert Mixed Numbers to Improper Fractions Sprint • Add & Subtract Fractions with Like Denominators Sprint • Subtract a Fraction from a Whole Number Sprint • Subtract Fractions with Unlike Denominators Sprint		
	(1) CSDF.4-6.CT.5 (3) CSDF.4-6.CT.6 (3) CSDF.4-6.CT.8 (1) NY-6.EE.1 (1) NY-6.EE.2 (1) NY-6.EE.3 (1) NY-6.EE.4 (1) NY-6.EE.6 (1) NY-6.NS.4	**Topic 3** - Write and evaluate numbers with exponents. - Find the prime factorization of a whole number. - Find the GCF of 2 or more whole numbers. - Find the LCM of 2 or more whole numbers. - Use the distributive property to simplify expressions. - Check for divisibility using mental math. - Evaluate expressions using order of operations - Write an algebraic expression to model a pattern. - Write an algebraic expression from a word phrase. - Evaluate algebraic expressions, including those with whole numbers, decimals and fractions. - Identify and write equivalent algebraic expressions. - Justify whether two expressions are equivalent.	**Topic 3** Foundational Skill- Divisibility Rules (2, 3, 6, 5, 9, 10) 3-1 Understand and Represent Exponents 3-2a Find Greatest Common Factor 3-2b Find Least Common Multiple 3-3 Write and Evaluate Numerical Expressions 3-4 Write Algebraic Expressions 3-5 Evaluate Algebraic Expressions 3-6 Generate Equivalent Expressions 3-7 Simplifying Algebraic Expressions	**Topic 3** www.Brainpop.com videos: • **Distributive Property** • **Prime Numbers** • **Factoring** • **Exponents** • **Order of Operations** **Factor Game** **Distributive Property practice.docx** **Distributive Property-Complicated.docx** **Thinking Blocks** **use either of the top two options-** • **Addition/Subtraction** • **Multiplication/Division** **www.ixl.com** **E.3-E.12; Y.1-Y.8, Y.13-Y.22; O.3-05 Number Theory, Expressions & Properties** **Math Virtual Manipulatives (to project to whole class)** **Envision Online:**	**Topic 3** • Fluency pg. 177 • Kahoots • IXL	**Topic 3** • Divisible • Even number • Odd number • Factor • Composite number • Prime number • Prime factorization • Common factor • Greatest common factor-GCF • Division ladder • Multiple • Common multiple • Least Common Multiple-LCM • Distributive property • Equivalent expressions • Term • Coefficient • Exponent • Base • Power • Numerical Expression • Variable • Algebraic Expression • Substitution

Options	Standards	Learning Targets	Text Next Generation Alignment	Supplemental Materials/Resources	Fluency	Vocabulary
		- Simplifying algebraic expressions by combining like terms.		• Reteach • Vocabulary Support • Enrichment pages • Reteach Support pages • Build Math Literacy • Visual Learning Animation • 3 Act Math Video and Modeling • Today's Challenge • Concepts Skills and Review Games: • Prime & Composite Game Fruit Splat • Algebra GamesSolve equations with mental math		