WALLKILL CENTRAL SCHOOL DISTRICT

Together We Can Make a Difference

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

2023-2024 Grade 4 Mathematics: Quarter 1: Weeks 1-10: Topics 1-5

Options	Topic Pacing	Standards	Learning Targets	Supplemental Materials/Resources
	4th Grade Math Teacher Guide **STAR Window 9/11/23-9/22/23** **Give either in homeroom or during rotations** **Topic 1 Place Value** **Math Readiness Test to be given 9/8/23** Suggested Pacing • 9/11/23 Start Topic 1 Place Value and end on 9/19/22 • 9/18/23 Topic 1 Practice Test in Student Textbook • 9/19/23 Topic 1 Assessment	(1) NY-4.NBT.1 (1) NY-4.NBT.2a (1) NY-4.NBT.2b (1) NY-4.NBT.3	**TOPIC 1** • I can read and write numbers through 1 million in expanded form with numerals and using number names. • I can recognize that a digit in one place has ten times the value of the same digit in the place to its right. • I can use place value to compare numbers and record my comparisons using <, >, =. • I can use place value to round numbers. • I can construct arguments using what I know about place value relationships.	**TOPIC 1** • Vocabulary Cards • Fluency Practice in student textbook (1 per topic) • Review What You Know page in student textbook (in the beginning of the topic) • Vocabulary Review in the student textbook (at the end of the topic) • Additional Practice book (to send home for homework) • Basic Facts (Addition, Subtraction) sheets • Pearson Game Center
	Topic 2: Fluently Add and Subtract Multi-Digit Whole Numbers Suggested Pacing • 9/20/23 Start Topic 2 (8 lessons to end on 10/4/23)	(1) NY-4.NBT.4	**TOPIC 2** • I can use properties and strategies to change a problem to add and subtract with mental math.	**TOPIC 2** • Vocabulary Cards • Fluency Practice in student textbook (1 per topic)

Help

Options	Topic Pacing	Standards	Learning Targets	Supplemental Materials/Resources
	• 10/3/23 Topic 2 Practice Test in Student Textbook • 10/4/23 Topic 2 Assessment		• I can use rounding and place value to estimate sums and differences. • I can connect place-value concepts to using addition algorithms. • I can use the standard algorithm and place value to add multi-digit numbers. • I can connect place value concepts to using the standard algorithm for subtraction. • I can use the standard algorithm and place value to subtract whole numbers. • I can use the standard algorithm to subtract from numbers with zeros. • I can make sense of quantities and relationships in problem situations.	• Review What You Know page in student textbook (in the beginning of the topic) • Vocabulary Review in the student textbook (at the end of the topic) • Additional Practice book (to send home for homework) • Basic Facts (Addition, Subtraction) sheets • Pearson Game Center
	Topic 3: Use Strategies and Properties to Multiply By 1-Digit Numbers Suggested Pacing • 10/5/23 Start Topic 3 (8 lessons to end on 10/19/23) • 10/18/23 Topic 3 Practice Test in Student Textbook • 10/19/23 Topic 3 Assessment	(1) 4.NBT.5	**TOPIC 3** • I can find the products of multiples of 10, 100, and 1000 using mental math and place value strategies. • I can use rounding to estimate products and check if my answer is reasonable. • I can use arrays and partial products to multiply. • I can use area models and partial products to multiply. • I can use area models and partial products to multiply. • I can use mental math strategies based on place value and properties of operations to multiply. • I can choose an appropriate strategy to multiply. • I can apply the math I know to solve problems.	**TOPIC 3** • Vocabulary Cards • Fluency Practice in student textbook (1 per topic) • Review What You Know page in student textbook (in the beginning of the topic) • Vocabulary Review in the student textbook (at the end of the topic) • Additional Practice book (to send home for homework) • Basic Facts (Addition, Subtraction) sheets • Pearson Game Center
	Topic 4: Use Statagies and Properties to Multiply by 2-Digit Numbers Suggested Pacing	(1) NY-4.NBT.5	**TOPIC 4** • I can use place value strategies or properties of operations to multiply by multiples of 10.	**TOPIC 4** • Vocabulary Cards

Options	Topic Pacing	Standards	Learning Targets	Supplemental Materials/Resources
	• 10/20/23 Start Topic 4 (7 lessons to end on 11/2/23) (No new math lesson on Halloween-1/2 day) • 11/1/23 Topic 4 Practice Test in Student Textbook • 11/2/23 Topic 4 Assessment **Math Benchmark Topics 1-4 (Complete by 11/3/23)**		• I can use models and properties of operations to help multiply. • I can use rounding or compatible numbers to estimate. • I can use place value concepts and properties to multiply. • I can use area models and properties of operations to multiply two 2-digit numbers. • I can use place value and partial products to multiply. • I can make sense of problems and keep working if I get stuck.	• Fluency Practice in student textbook (1 per topic) • Review What You Know page in student textbook (in the beginning of the topic) • Vocabulary Review in the student textbook (at the end of the topic) • Additional Practice book (to send home for homework) • Basic Facts (Addition, Subtraction) sheets • Pearson Game Center
	Topic 5: Use Strategies and Properties to Divide by 1-Digit Numbers Suggested Pacing • 11/6/23 Start Topic 5 (10 lessons to end on 11/20/23) (No new math lesson on 11/21/23 because of early dismissal of parent teacher conference.) • 11/27/23 Topic 5 Practice Test in Student Textbook • 11/28/23 Topic 5 Assessment	(1) NY-4.NBT.6	**TOPIC 5** • I can make sense of quantities and use mental math and place value strategies to divide. • I can use compatible numbers to estimate quotients when dividing with 3-digit dividends. • I can estimate quotients for 4-digit dividends. • I can apply what I know about dividing items into equal groups to solve problems. • I can divide by thinking about multiplication, estimation, properties, and place value. • I can divide by thinking about multiplication, estimation, properties, and place value. • I can sort objects into equal sized groups to divide. • I can use place value and sharing to divide. • I can follow a series of steps that breaks the division into simpler calculations. • I can use a drawing, diagram. or table to model a problem.	**TOPIC 5** • Vocabulary Cards • Fluency Practice in student textbook (1 per topic) • Review What You Know page in student textbook (in the beginning of the topic) • Vocabulary Review in the student textbook (at the end of the topic) • Additional Practice book (to send home for homework) • Basic Facts (Addition, Subtraction) sheets • Pearson Game Center