

**Twin Rivers School District
Grade Five Common Core Math Pacing
2017-2018**

Trimester 1

Pretest (optional) August 9

- **Trimester 1 Pretest Exam**
Use the information as an additional pacing tool to guide instruction.

Beyond the Basic Facts

- **BTBF is recommended to be done daily.**
In trimester 1, students will be focusing on multiplication.

Unit 1: Place Value System

Instructional Window (15 days): August 10 – August 30

Standard(s)

5.NBT 1: Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.

5.NBT 2: Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.

5.NBT 3: Read, write, and compare decimals to thousandths.

- Read and write decimals to thousandths using base-ten numerals, number names, and expanded form, e.g., $347.392 = 3 \times 100 + 4 \times 10 + 7 \times 1 + 3 \times (1/10) + 9 \times (1/100) + 2 \times (1/1000)$.
- Compare two decimals to thousandths based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.

5.NBT 4: Use place value understanding to round decimals to any place.

Go Math Lessons Covered in Unit 1

1.1, 1.2, 1.4, 3.2, 3.3, 3.4, 4.1, 5.1

Go Math Lesson	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus	T.E. pg. #
1.2, 3.2	Lesson 1 Read and Write Numbers to the Thousandths Place (<i>m</i>)	5.NBT.3a	C	2
1.2, 3.2	Lesson 2 Read and Write Numbers to the Thousandths Place (<i>m</i>)	5.NBT.3a	P	12

m-major cluster, *s*-supporting cluster, *a*-additional cluster

3.2, 1.2	Lesson 3 Expanded Form to the Thousandths Place (<i>m</i>)	5.NBT.3a	C	24
3.2, 1.2	Lesson 4 Expanded Form to the Thousandths Place (<i>m</i>)	5.NBT.3a	P	32
1.1, 1.2, 3.2	Lesson 5 Place Value Relationship (<i>m</i>)	5.NBT.1	C	44
1.1, 1.2, 3.2	Lesson 6 Place Value Relationship (<i>m</i>)	5.NBT.1	P	60
1.4	Lesson 7 Powers of 10 with Whole Numbers (<i>m</i>)	5.NBT.2	C	72
1.4	Lesson 8 Powers of 10 with Whole Numbers (<i>m</i>)	5.NBT.2	P	84
5.1, 4.1	Lesson 9 (c) Powers of 10 with Decimals (<i>m</i>)	5.NBT.2	C	96
	Lesson 10 (c) Powers of 10 with Decimals (<i>m</i>)	5.NBT.2	P	106
3.3	Lesson 11 (c) Compare Decimals (<i>m</i>)	5.NBT.3b	C	118
	Lesson 12 (c) Compare Decimals (<i>m</i>)	5.NBT.3b	P	126
3.4	Lesson 13 Round Decimals to Any Place (<i>m</i>)	5.NBT.4	C	138
3.4	Lesson 14 Round Decimals to Any Place (<i>m</i>)	5.NBT.4	P	150
N/A	Lesson 15 Place Value (<i>m</i>)	5.NBT.1-4	MT	162
Suggested Unit 1 Assessment Date – August 31 & September 1				

Unit 2: Multiplication and Division of Whole Numbers

Instructional Window (15 days): September 5 – September 25

Standard(s)

5.OA 1: Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

5.OA 2: Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them. For example, express the calculation “add 8 and 7, then multiply by 2” as $2 \times (8 + 7)$. Recognize that $3 \times (18932 + 921)$ is three times as large as $18932 + 921$, without having to calculate the indicated sum or product.

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5.OA.2.1: Express a whole number in the range 2–50 as a product of its prime factors. For example, find the prime factors of 24 and express 24 as $2 \times 2 \times 2 \times 3$. CA

5.NBT 5: Fluently multiply multi-digit whole numbers using the standard algorithm.

5.NBT 6: Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Go Math Lessons Covered in Unit 2

1.3, 1.6, 1.7, 1.10, 1.11, 1.12, 2.3, 2.4, 6.4

Go Math Lesson	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus	T.E. pg. #
1.3, 1.11	Lesson 1 Evaluate Expressions Containing Parentheses (<i>a</i>)	5.OA.1	P	170
1.10	Lesson 2 Interpret Numerical Expressions (<i>a</i>)	5.OA.2	P	180
6.4	Lesson 3 Prime Factorization (<i>a</i>)	5.OA.2.1	P	192
1.10-1.12	Lesson 4 Write and Evaluate Expressions (<i>a</i>)	5.OA.1,2	P	204
1.11	Lesson 5 Introduction to Order of Operations (<i>a</i>)	5.OA.1	P	216
N/A	Lesson 6 Linking the Area Model to the Multiplication Algorithm (<i>m</i>)	5.NBT.5	C	228
N/A	Lesson 7* Linking the Distributive Property to the Multiplication Algorithm (<i>m</i>)	5.NBT.5	C	240
1.6, 1.7	Lesson 8 Multiply Using the Standard Algorithm (<i>m</i>)	5.NBT.5	P	254
2.4	Lesson 9 Divide Using the Place Value Strategy (<i>m</i>)	5.NBT.6	C	266
2.4	Lesson 10 Divide Using the Place Value Strategy (<i>m</i>)	5.NBT.6	P	274
N/A	Lesson 11 Divide Using an Area Model (<i>m</i>)	5.NBT.6	C	286
N/A	Lesson 12 Divide Using an Area Model (<i>m</i>)	5.NBT.6	P	296
N/A	Lesson 13 Divide Using the Area Model (<i>m</i>)	5.NBT.6	C	308

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N/A	Lesson 14 Divide Using an Area Model (<i>m</i>)	5.NBT.6	P	318
N/A	Lesson 15 Multiplication and Division (<i>m</i>)(<i>a</i>)	5.OA.1,2 5.NBT.5,6	MT	330
Suggested Unit 2 Assessment Date – September 26 & 27				

Unit 3: Add and Subtract Decimals

Instructional Window (8 days): September 28 – October 9

Standard(s)

5.NBT.7: Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

Go Math Lessons Covered in Unit 3

3.5, 3.6, 3.8, 3.9

Go Math Lesson	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus	T.E. pg. #
3.5, 3.8	Lesson 1 Build & Add Decimals on the Place Value Chart (<i>m</i>)	5.NBT.7	C	338
N/A	Lesson 2* Add Decimals: Number Line Strategy (<i>m</i>)	5.NBT.7	C	352
3.5, 3.8	Lesson 3 Add Decimals (<i>m</i>)	5.NBT.7	P	362
3.6, 3.9	Lesson 4 Subtract Decimals: Build & Subtract on the Place Value Chart (<i>m</i>)	5.NBT.7	C	374
N/A	Lesson 5* Subtract Decimals: Number Line Strategy (<i>m</i>)	5.NBT.7	C	388

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3.6, 3.9	Lesson 6 Subtract Decimals (<i>m</i>)	5.NBT.7	P	398
N/A	Lesson 7 Add and Subtract Decimals (<i>m</i>)	5.NBT.7	MT	410
Suggested Unit 3 Assessment Date – October 10 & 11				

Unit 4: Multiply and Divide Decimals

Instructional Window (13 days): October 12 – October 30				
Standard(s)				
5.NBT.7: Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used				
Go Math Lessons Covered in Unit 4				
4.1, 4.2, 4.3, 4.4, 4.6, 4.7, 4.8, 5.2, 5.4, 5.5, 5.6, 5.7				
Go Math Lesson	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus	T.E. pg. #
4.2, 4.4	Lesson 1 Multiply Decimals by Whole Numbers: Area Model (<i>m</i>)	5.NBT.7	C	420
4.2, 4.4	Lesson 2 Multiply Decimals by Whole Numbers: Area Model (<i>m</i>)	5.NBT.7	P	432
4.3	Lesson 3* Multiply Decimals by Whole Numbers: Distributive Property (<i>m</i>)	5.NBT.7	C	446
4.1 – 4.4	Lesson 4 Multiply Decimals by Whole Numbers (<i>m</i>)	5.NBT.7	P	454
4.6, 4.7	Lesson 5 Multiply Decimals by Decimals: Area Model (<i>m</i>)	5.NBT.7	C	466
4.6, 4.7	Lesson 6 Multiply Decimals by Decimals: Area Model (<i>m</i>)	5.NBT.7	P	476
N/A	Lesson 7* Multiply Decimals by Decimals: Distributive Property (<i>m</i>)	5.NBT.7	C	488
4.6- 4.8	Lesson 8 Multiply Decimals by Decimals (<i>m</i>)	5.NBT.7	P	496

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5.5	Lesson 9 Divide Decimals: Measuring Up Strategy (<i>m</i>)	5.NBT.7	C	508
5.2, 5.4	Lesson 10 Divide Decimals: Dealing Strategy (<i>m</i>)	5.NBT.7	C	516
5.2, 5.4 5.6, 5.7	Lesson 11 Divide Decimals (<i>m</i>)	5.NBT.7	P	524
N/A	Lesson 12 Multiply and Divide Decimals (<i>m</i>)	5.NBT.7	MT	538
<i>Suggested</i> OPTIONAL Unit 4 Assessment Date – November 1 & 2				

End of Trimester 1 Assessments

<i>Suggested Review Day</i> for Trimester 1 Benchmark Date – November 3	
<i>Suggested</i> Trimester 1 Cumulative Benchmark Date – November 6 & 7	
Performance Task – November 8 & 9	

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