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

Trimester 1

Pretest (optional)   **August 9**
• **Trimester 1 Practice 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: Multi-Digit Whole Numbers & Add/Subtract

Instructional Window (11 days): August 10 – August 24
Standard(s)
4.NBT 2: Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons.
4.NBT 3: Use place value understanding to round multi-digit whole numbers to any place.
4.NBT 4: Fluently add and subtract multi-digit whole numbers using the standard algorithm.
4.OA 5: Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself. For example, given the rule "Add 3" and the starting number 1, generate terms in the resulting sequence and observe that the terms appear to alternate between odd and even numbers. Explain informally why the numbers will continue to alternate in this way.
Go Math Lessons Covered in Unit 1   1.2, 1.3, 1.4, 1.6, 1.7, 5.6, 10.8

Go Math Lesson	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus	T.E. pg. #
1.2	**Lesson 1** Read and Write Multi-Digit Whole Numbers *(m)*	4.NBT.2	P	2
1.2	**Lesson 2** Expanded Form *(m)*	4.NBT.2	P	14
1.3	**Lesson 3** Compare Numbers *(m)*	4.NBT.2	P	26

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1.4	**Lesson 4** Rounding *(m)*	4.NBT.3	P	38
1.6	**Lesson 5** Add Multi-Digit Numbers *(m)*	4.NBT.4	P	50
1.7	**Lesson 6** Subtract Multi-Digit Numbers *(m)*	4.NBT.4	P	62
N/A	**Lesson 7** Place Value *(m)*	4.NBT.2-4	MT	74
10.8	**Lesson 8 (c)** Growing Patterns *(m) (a)*	4.OA.5	C	78
5.6	**Lesson 9 (c)** Number Patterns *(a)*	4.OA.5	P	88
N/A	**Lesson 10*** Patterns *(a)*	4.OA.5	MT	100
	Suggested **Unit 1 Assessment Date – August 25 & 28**			

Unit 2: Multiplication

Instructional Window (17 days): August 29 – September 21
Standard(s)
4.OA 1: Interpret a multiplication equation as a comparison, e.g., interpret 35 = 5 × _7 as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.
4.OA 2: Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.
4.OA 3: Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.
4.OA 4: Find all factor pairs for a whole number in the range 1–100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1–100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1–100 is prime or composite.
4.OA 5: Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicitly in the rule itself. For example, given the rule "Add 3" and the starting number 1, generate terms in the resulting sequence and observe that the terms appear to alternate between odd and even numbers. Explain informally why the numbers will continue to alternate in this way.

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4.NBT 5: Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Go Math Lessons:

2.1, 2.2, 2.4, 2.5,2.6, 2.7, 2.9, 2.10, 2.11, 2.12, 3.3, 3.4, 3.5, 3.6, 5.2, 5.4, 5.5, 5.6

Go Math Lesson	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus	T.E. pg. #
5.5	**Lesson 1** Prime and Composite Numbers *(s)*	4.OA.4	P	108
5.2, 5.4-5.5	**Lesson 2** Factors Pairs with Prime and Composite Numbers *(s)*	4.OA.4	P	120
2.10	**Lesson 3** Multiplication Using Base Ten Blocks *(m)*	4.NBT.5	C	132
2.6-2.7	**Lesson 4** Multiplication Using the Area Model *(m)*	4.NBT.5	C	142
2.5, 2.7	**Lesson 5** Multiplication Using the Distributive Property *(m)*	4.NBT.5	C	150
2.5, 2.7	**Lesson 6** Multiplication Using the Distributive Property *(m)*	4.NBT.5	P	158
2.4, 2.11	**Lesson 7** Multiplication: Multi-Digit by One-Digit *(m)*	4.NBT.5	P	170
3.3, 3.4	**Lesson 8** Multiplication: Two-Digit by Two-Digit Area Model *(m)*	4.NBT.5	C	182
3.4	**Lesson 9** Multiplication: Two-Digit by Two Digit Distributive Property *(m)*	4.NBT.5	C	190
3.5, 3.6	**Lesson 10** Multiplication: Two-Digit by Two Digit *(m)*	4.NBT.5	P	198
2.1, 2.2	**Lesson 11** Multiplicative Comparison *(m)*	4.OA.1	P	210
2.1, 2.2	**Lesson 12** Multiplication: Comparison Word Problems *(m)*	4.OA.2	C	222
2.1, 2.2	**Lesson 13** Multiplication: Comparison Word Problems *(m)*	4.OA.2	P	232
2.9, 2.12	**Lesson 14** Multiplication: Multi-Step Word Problems *(m)*	4.OA.3	C	244
2.9, 2.12	**Lesson 15** Multiplication: Multi-Step Word Problems *(m)*	4.OA.3	P	252
5.6	**Lesson 16** Multiplication: Patterns Using a Rule *(a)*	4.OA.5	P	264

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N/A	**Lesson 17** Multiplication *(m)*	4.OA.1, 4.NBT.5	MT	276

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Unit 3: Division

Instructional Window (15 days): September 26 – October 16

Standard(s)

4.NBT 1: Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right. For example, recognize that 700 ÷ 70 = 10 by applying concepts of place value and division

4.NBT 6: Find whole-number quotients and remainders with up to four-digit dividends and one-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.

4.OA 3: Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

Go Math Lessons:

2.3, 3.1, 4.4, 4.6, 4.8, 4.9, 4.12

Go Math Lesson	Lesson Topic * = optional lesson (c) = combine lessons	Standard	Lesson Focus	T.E. pg. #
2.3, 3.1	**Lesson 1** Multiplication: Products of 10 *(m)*	4.NBT.1	C	284
2.3, 3.1	**Lesson 2** Multiplication: Products of 10 *(m)*	4.NBT.1	P	292
N/A	**Lesson 3** Division: Using Base Ten Blocks *(m)*	4.NBT.1	C	304
4.4	**Lesson 4** Division: Comparing Values *(m)*	4.NBT.1	P	312
4.9	**Lesson 5** Division: Base Ten Model *(m)*	4.NBT.6	C	324
4.9	**Lesson 6** Division: Base Ten Model with Remainders *(m)*	4.NBT.6	C	330
4.9	**Lesson 7** Division: Base Ten Model *(m)*	4.NBT.6	P	336
4.6	**Lesson 8** Division: Area Model *(m)*	4.NBT.6	C	348

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4.6	**Lesson 9** Division: Area Model with Remainders *(m)*	4.NBT.6	C	358
4.8	**Lesson 10** Division: Area Model with and without Remainders *(m)*	4.NBT.6	P	368
4.12	**Lesson 11** Division: Multi-Step Word Problems (Dealing Strategy) *(m)*	4.OA.3	C	380
4.12	**Lesson 12** Division: Multi-Step Word Problems (Measuring Up Strategy) *(m)*	4.OA.3	C	390
4.12	**Lesson 13*** Division: Multi-Step Word Problems (Dealing & Measuring Up Strategies) *(m)*	4.OA.3	P	398
N/A	**Lesson 14** Division *(m)*	4.NBT.1, 4.NBT.6, 4.OA.3	MT	410
Suggested OPTIONAL Unit 3 Assessment Date – October 17 & 18					

End of Trimester 1 Assessments

Suggested Review Day for Trimester 1 Benchmark Date – October 19 *Suggested* Trimester 1 Cumulative Benchmark Date – October 20 & 23 Performance Task – October 24 & 25

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