Note: Codes to curriculum are for cross-referencing purposes only.

**Master 21a**

**Ontario**

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| **Curriculum Expectations**  | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **Overall Expectations****N1 Quantity Relationships:** read, represent, compare, and order whole numbers to 100, and use concrete materials to represent fractions and money amounts to 100¢**N2 Counting:** demonstrate an understanding of magnitude by counting forward to 200 and backwards from 50, using multiples of various numbers as starting points**Cross Strand:** Patterning and Algebra**P2 Expressions and Equality:** demonstrate an understanding of the concept of equality between pairs of expressions, using concrete materials, symbols, and addition and subtraction to 18 |
| **N1.1** represent, compare, and order whole numbers to 100, including money amounts to 100¢, using a variety of tools**N1.2** read and print in words whole numbersto twenty, using meaningful contexts**N1.3** compose and decompose two-digit numbers in a variety of ways, using concretematerials**N1.4** determine, using concrete materials, the ten that is nearest to a given two-digit number, and justify the answer**N2.1** Count forward by 1’s, 2’s, 5’s, 10’s, and 25’s to 200, using number lines and hundreds charts, starting from multiples of 1, 2, 5, and 10**N2.3** locate whole numbers to 100 on a number line and on a partial number line**P2.1** demonstrate an understanding of the concept of equality by partitioning wholenumbers to 18 in a variety of ways, using concrete materials  | **Below Grade: Intervention**3: My 10 Bracelet4: Who Has More?**On Grade: Teacher Cards**6: Comparing Quantities (N1.1, N2.1)7: Ordering Quantities (N1.1, N2.1)8: Odd and Even Numbers (N1.1, N2.1)9: Ordinal Numbers 10: Estimating with Benchmarks 11: Decomposing to 20 (N1.3, N2.1, P2.1)12: Number Relationships 1 Consolidation (N1.1, N1.3, N1.4, N2.1, P2.1)**On Grade: Math Every Day****Card 2A:** Show Me in Different Ways(N1.1, N1.3, P2.1)Guess My Number (N1.1, N1.3)**Card 2B:** Math Commander (N1.1, N1.3, N1.4, N2.3)Building an Open Number Line(N1.1, N1.3, N1.4, N2.3) | **Below Grade:*** Paddling the River (Activities 6, 7, 11, 12)
* A Family Cookout (Activities 6, 7, 10)
* At the Corn Farm (Activity 10)
* Canada’s Oldest Sport (Activities 11, 12)

**On Grade:*** What Would You Rather?(Activities 6, 7, 10, 12)
* The Great Dogsled Race(Activities 6, 7)
* Back to Batoche(Activity 7)
* Ways to Count (Activities 8, 10)
* Family Fun Day (Activities 11, 12)

**Above Grade:*** Math Makes Me Laugh (Activity 6)
* Fantastic Journeys (Activities 6, 7, 10, 12)
* Finding Buster (Activity 11)
* How Numbers Work (Activity 11)
 | **Big Idea: Numbers tell us how many and how much.** |
| **Applying the Principles of Counting**- Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activity 11)- Names, writes, and matches numerals to numbers and quantities to 10. (MED 2B: 2)- Names, writes, and matches two-digit numerals to quantities. (MED 2B: 2) |
| **Big Idea: Numbers are related in many ways.** |
| **Comparing and Ordering Quantities (Multitude or Magnitude)**- Compares and orders quantities and written numbers using benchmarks. (Activities 6, 7, 12; MED 2A: 2, MED 2B: 4)- Determines how many more/less one quantity is compared to another. (Activities 6, 12; MED 2A: 1, 2)- Determines and describes the relative position of objects using ordinal numbers. (Activities 9, 12; MED 2B: 1)- Uses ordinal numbers in context. (Activities 9, 12; MED 2B: 1)**Estimating Quantities and Numbers**- Uses relevant benchmarks to compare and estimate quantities (e.g., more/less than 10). (Activity 10)**Decomposing Wholes into Parts and Composing Wholes from Parts**- Composes and decomposes quantities to 20. (Activities 11, 12; MED 2A: 1, 2) |
| **Big Idea: Quantities and numbers can be grouped by or partitioned into equal-sized units.** |
| **Unitizing Quantities and Comparing Units to the Whole**- Partitions into and skip-counts by equal-sized units and recognizes that the results will be the same when counted by ones. (Activities 8, 12) |
| **Big Idea: Patterns and relations can be represented with symbols, equations, and expressions.** |
| **Understanding Equality and Inequality, Building on Generalized Properties of Numbers and Operations**- Records different expressions of the same quantity as equalities (e.g., 2 + 4 = 5 + 1). (Activities 11, 12) |

**Master 21a**

**Ontario (continued)**

Note: Codes to curriculum are for cross-referencing purposes only.

**Master 21b**

**Ontario (continued)**

**British Columbia/Yukon Territories**

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| **Learning Standards** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **Big Idea**Numbers to 100 represent quantities that can be decomposed into 10s and 1s.**Cross Strand:** Patterns and Relations |
| **N1 Number concepts to 100**Counting:* **N1.1** skip-counting by 2, 5, and 10:

– **N1.1b** increasing and decreasing (forward and backward)* **N1.2** Quantities to 100 can be arranged and recognized

– **N1.2a** comparing and orderingnumbers to 100– **N1.2b** benchmarks of 25, 50, and 100* **N1.3** Even and odd numbers

**N2 Benchmarks of 25, 50, and 100 and personal referents*** **N2.1** Seating arrangements at ceremonies/feasts

**N3 Addition and subtraction facts to 20 (introduction of computational strategies)*** **N3.2** fluency with math strategies for addition and subtraction (e.g., making or bridging 10, decomposing, identifying related doubles, adding on to find the difference)

**N4 Addition and subtraction to 100*** **N4.1** Decomposing numbers to 100
* **N4.5** using an open number line, hundred chart, ten-frames
 | **Below Grade: Intervention**3: My 10 Bracelet4: Who Has More?**On Grade: Teacher Cards**6: Comparing Quantities (N1.2, N1.2a)7: Ordering Quantities (N1.2, N1.2a, N1.2b)8: Odd and Even Numbers (N1.3)9: Ordinal Numbers 10: Estimating with Benchmarks (N1.2, N1.2b, N2, N2.1)11: Decomposing to 20 (N1.1b, N3.2)12: Number Relationships 1 Consolidation (N1.2, N1.2a, N1.2b, N1.3, N2, N4.1, N4.2) **On Grade: Math Every Day****Card 2A:** Show Me in Different Ways(N1.2, N1.2a, N1.3, N3.2, N4.1)Guess My Number (N1.2, N1.2a, N1.3)**Card 2B:** Math Commander (N1.3)Building an Open Number Line(N1.2, N1.2a, N1.2b, N2, N4.5) | **Below Grade:*** Paddling the River (Activities 6, 7, 11, 12)
* A Family Cookout (Activities 6, 7, 10)
* At the Corn Farm (Activity 10)
* Canada’s Oldest Sport (Activities 11, 12)

**On Grade:*** What Would You Rather?(Activities 6, 7, 10, 12)
* The Great Dogsled Race(Activities 6, 7)
* Back to Batoche(Activity 7)
* Ways to Count (Activities 8, 10)
* Family Fun Day (Activities 11, 12)

**Above Grade:*** Math Makes Me Laugh (Activity 6)
* Fantastic Journeys (Activities 6, 7, 10, 12)
* Finding Buster (Activity 11)
* How Numbers Work (Activity 11)
 | **Big Idea: Numbers tell us how many and how much.** |
| **Applying the Principles of Counting**- Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activity 11)- Names, writes, and matches numerals to numbers and quantities to 10. (MED 2B: 2)- Names, writes, and matches two-digit numerals to quantities. (MED 2B: 2) |
| **Big Idea: Numbers are related in many ways.** |
| **Comparing and Ordering Quantities (Multitude or Magnitude)**- Compares and orders quantities and written numbers using benchmarks. (Activities 6, 7, 12; MED 2A: 2, MED 2B: 4)- Determines how many more/less one quantity is compared to another. (Activities 6, 12; MED 2A: 1, 2)- Determines and describes the relative position of objects using ordinal numbers. (Activities 9, 12; MED 2B: 1)- Uses ordinal numbers in context. (Activities 9, 12; MED 2B: 1)**Estimating Quantities and Numbers**- Uses relevant benchmarks to compare and estimate quantities (e.g., more/less than 10). (Activity 10)**Decomposing Wholes into Parts and Composing Wholes from Parts**- Composes and decomposes quantities to 20. (Activities 11, 12; MED 2A: 1, 2) |
| **Big Idea: Quantities and numbers can be grouped****by or partitioned into equal-sized units.** |
| **Unitizing Quantities and Comparing Units to the Whole**- Partitions into and skip-counts by equal-sized units and recognizes that the results will be the same when counted by ones. (Activities 8, 12) |
| **Big Idea: Patterns and relations can be represented with symbols, equations, and expressions.** |
| **Understanding Equality and Inequality, Building on Generalized Properties of Numbers and Operations**- Records different expressions of the same quantity as equalities (e.g., 2 + 4 = 5 + 1). (Activities 11, 12) |

**British Columbia/Yukon Territories (continued)**

**Master 21b**

**New Brunswick/Prince Edward Island/Newfoundland and Labrador**

**Master 21c**

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| **Specific Outcomes** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **General Outcome**Develop number sense**Cross Strand****Patterns and Relations:** Represent algebraic expressions in multiple ways |
| **N1** Say the number sequence from 0 to 100 by: * **N1a** 2s, 5s and 10s, forward and backward, using starting points that are multiples

**N2** Demonstrate if a number (up to 100) is even or odd.**N3** Describe order or relative position, using ordinal numbers (up to tenth).**N4** Represent and describe numbers to 100, concretely, pictorially and symbolically.**N5** Compare and order numbers up to 100.**PR3** Demonstrate and explain the meaning of equality and inequality by using manipulatives and diagrams (0-100). | **Below Grade: Intervention**3: My 10 Bracelet4: Who Has More?**On Grade: Teacher Cards**6: Comparing Quantities (N5)7: Ordering Quantities (N5)8: Odd and Even Numbers (N2)9: Ordinal Numbers (N3) 10: Estimating with Benchmarks (N6)11: Decomposing to 20 (N1a, N4, PR3)12: Number Relationships 1 Consolidation (N2, N3, N4, N5, PR3) **On Grade: Math Every Day****Card 2A:** Show Me in Different Ways (N2, N4, N5)Guess My Number (N2, N4, N5)**Card 2B:** Math Commander (N2, N3)Building an Open Number Line(N4, N5) | **Below Grade:*** Paddling the River (Activities 6, 7, 11, 12)
* A Family Cookout (Activities 6, 7, 10)
* At the Corn Farm (Activity 10)
* Canada’s Oldest Sport (Activities 11, 12)

**On Grade:*** What Would You Rather?(Activities 6, 7, 10, 12)
* The Great Dogsled Race(Activities 6, 7)
* Back to Batoche(Activity 7)
* Ways to Count (Activities 8, 10)
* Family Fun Day (Activities 11, 12)

**Above Grade:*** Math Makes Me Laugh (Activity 6)
* Fantastic Journeys (Activities 6, 7, 10, 12)
* Finding Buster (Activity 11)
* How Numbers Work (Activity 11)
 | **Big Idea: Numbers tell us how many and how much.** |
| **Applying the Principles of Counting**- Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activity 11)- Names, writes, and matches numerals to numbers and quantities to 10. (MED 2B: 2)- Names, writes, and matches two-digit numerals to quantities. (MED 2B: 2) |
| **Big Idea: Numbers are related in many ways.** |
| **Comparing and Ordering Quantities (Multitude or Magnitude)**- Compares and orders quantities and written numbers using benchmarks. (Activities 6, 7, 12; MED 2A: 2, MED 2B: 4)- Determines how many more/less one quantity is compared to another. (Activities 6, 12; MED 2A: 1, 2)- Determines and describes the relative position of objects using ordinal numbers. (Activities 9, 12; MED 2B: 1)- Uses ordinal numbers in context. (Activities 9, 12; MED 2B: 1)**Estimating Quantities and Numbers**- Uses relevant benchmarks to compare and estimate quantities (e.g., more/less than 10). (Activity 10)**Decomposing Wholes into Parts and Composing Wholes from Parts**- Composes and decomposes quantities to 20. (Activities 11, 12; MED 2A: 1, 2) |
| **Big Idea: Quantities and numbers can be grouped****by or partitioned into equal-sized units.** |
| **Unitizing Quantities and Comparing Units to the Whole**- Partitions into and skip-counts by equal-sized units and recognizes that the results will be the same when counted by ones. (Activities 8, 12) |
| **Big Idea: Patterns and relations can be represented with symbols, equations, and expressions.** |
| **Understanding Equality and Inequality, Building on Generalized Operations of Numbers and Operations**- Records different expressions of the same quantity as equalities (e.g., 2 + 4 = 5 + 1). (Activities 11, 12) |

**Master 21c**

**New Brunswick/Prince Edward Island/Newfoundland and Labrador (continued)**

**Manitoba**

**Master 21d**

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| **Specific Outcomes**  | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **General Outcome**Develop number sense**Cross Strand**Patterns and Relations: Represent algebraic expressions in multiple ways |
| **2.N.2** Demonstrate if a number (up to 100) is even or odd.**2.N.3** Describe order or relative position using ordinal numbers.**2.N.4** Represent and describe numbers to 100, concretely, pictorially and symbolically.**2.N.5** Compare and order numbers up to 100.**2.N.6** Estimate quantities to 100 using referents. | **Below Grade: Intervention**3: My 10 Bracelet4: Who Has More?**On Grade: Teacher Cards**6: Comparing Quantities (2.N.5)7: Ordering Quantities (2.N.5)8: Odd and Even Numbers (2.N.2)9: Ordinal Numbers (2.N.3) 10: Estimating with Benchmarks (2.N.6)11: Decomposing to 20 (2.N.4)12: Number Relationships 1 Consolidation (2.N.4, 2.N.5)**On Grade: Math Every Day****Card 2A:** Show Me in Different Ways (2.N.2, 2.N.4)Guess My Number (2.N.2, 2.N.4, 2.N.5)**Card 2B:** Math Commander (2.N.2, 2.N.3)Building an Open Number Line(2.N.4, 2.N.5) | **Below Grade:*** Paddling the River (Activities 6, 7, 11, 12)
* A Family Cookout (Activities 6, 7, 10)
* At the Corn Farm (Activity 10)
* Canada’s Oldest Sport (Activities 11, 12)

**On Grade:*** What Would You Rather?(Activities 6, 7, 10, 12)
* The Great Dogsled Race(Activities 6, 7)
* Back to Batoche(Activity 7)
* Ways to Count (Activities 8, 10)
* Family Fun Day (Activities 11, 12)

**Above Grade:*** Math Makes Me Laugh (Activity 6)
* Fantastic Journeys (Activities 6, 7, 10, 12)
* Finding Buster (Activity 11)
* How Numbers Work (Activity 11)
 | **Big Idea: Numbers tell us how many and how much.** |
| **Applying the Principles of Counting**- Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activity 11)- Names, writes, and matches numerals to numbers and quantities to 10. (MED 2B: 2)- Names, writes, and matches two-digit numerals to quantities. (MED 2B: 2) |
| **Big Idea: Numbers are related in many ways.** |
| **Comparing and Ordering Quantities (Multitude or Magnitude)**- Compares and orders quantities and written numbers using benchmarks. (Activities 6, 7, 12; MED 2A: 2, MED 2B: 4)- Determines how many more/less one quantity is compared to another. (Activities 6, 12; MED 2A: 1, 2)- Determines and describes the relative position of objects using ordinal numbers. (Activities 9, 12; MED 2B: 1)- Uses ordinal numbers in context. (Activities 9, 12; MED 2B: 1)**Estimating Quantities and Numbers**- Uses relevant benchmarks to compare and estimate quantities (e.g., more/less than 10). (Activity 10)**Decomposing Wholes into Parts and Composing Wholes from Parts**- Composes and decomposes quantities to 20. (Activities 11, 12; MED 2A: 1, 2) |
| **Big Idea: Quantities and numbers can be grouped****by or partitioned into equal-sized units.** |
| **Unitizing Quantities and Comparing Units to the Whole**- Partitions into and skip-counts by equal-sized units and recognizes that the results will be the same when counted by ones. (Activities 8, 12) |
| **Big Idea: Patterns and relations can be represented with symbols, equations, and expressions.** |
| **Understanding Equality and Inequality, Building on Generalized Operations of Numbers and Operations**- Records different expressions of the same quantity as equalities (e.g., 2 + 4 = 5 + 1). (Activities 11, 12) |

**Manitoba (continued)**

**Master 21d**

**Nova Scotia**

**Master 21e**

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| **Specific Outcomes**  | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **General Outcome**Students will be expected to demonstrate number sense.**Cross Strand****Patterns and Relations:** Students will be expected to represent algebraic expressions in multiple ways. |
| **N01** Students will be expected to say the number sequence by* **N01b** 2s, forward and backward, starting from any point to 100

**N02** Students will be expected to demonstrate if a number (up to 100) is even or odd.**N03** Students will be expected to describe order or relative position using ordinal numbers (up to tenth). **N04** Students will be expected to represent and partition numbers to 100. **N05** Students will be expected to compare and order numbers up to 100.**N06** Students will be expected to estimate quantities to 100 by using referents.**PR03** Students will be expected to demonstrate and explain the meaning of equality and inequality by using manipulatives and diagrams (0 to 100). | **Below Grade: Intervention**3: My 10 Bracelet4: Who Has More?**On Grade: Teacher Cards**6: Comparing Quantities (N05)7: Ordering Quantities (N05)8: Odd and Even Numbers (N02)9: Ordinal Numbers (N03) 10: Estimating with Benchmarks (N06)11: Decomposing to 20 (N01b, N04, PR03)12: Number Relationships 1 Consolidation (N02, N03, N04, N05, PR03) **On Grade: Math Every Day****Card 2A:** Show Me in Different Ways (N02, N04, N05)Guess My Number (N02, N04, N05)**Card 2B:** Math Commander (N02, N03)Building an Open Number Line(N04, N05) | **Below Grade:*** Paddling the River (Activities 6, 7, 11, 12)
* A Family Cookout (Activities 6, 7, 10)
* At the Corn Farm (Activity 10)
* Canada’s Oldest Sport (Activities 11, 12)

**On Grade:*** What Would You Rather?(Activities 6, 7, 10, 12)
* The Great Dogsled Race(Activities 6, 7)
* Back to Batoche(Activity 7)
* Ways to Count (Activities 8, 10)
* Family Fun Day (Activities 11, 12)

**Above Grade:*** Math Makes Me Laugh (Activity 6)
* Fantastic Journeys (Activities 6, 7, 10, 12)
* Finding Buster (Activity 11)
* How Numbers Work (Activity 11)
 | **Big Idea: Numbers tell us how many and how much.** |
| **Applying the Principles of Counting**- Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activity 11)- Names, writes, and matches numerals to numbers and quantities to 10. (MED 2B: 2)- Names, writes, and matches two-digit numerals to quantities. (MED 2B: 2) |
| **Big Idea: Numbers are related in many ways.** |
| **Comparing and Ordering Quantities (Multitude or Magnitude)**- Compares and orders quantities and written numbers using benchmarks. (Activities 6, 7, 12; MED 2A: 2, MED 2B: 4)- Determines how many more/less one quantity is compared to another. (Activities 6, 12; MED 2A: 1, 2)- Determines and describes the relative position of objects using ordinal numbers. (Activities 9, 12; MED 2B: 1)- Uses ordinal numbers in context. (Activities 9, 12; MED 2B: 1)**Estimating Quantities and Numbers**- Uses relevant benchmarks to compare and estimate quantities (e.g., more/less than 10). (Activity 10)**Decomposing Wholes into Parts and Composing Wholes from Parts**- Composes and decomposes quantities to 20. (Activities 11, 12; MED 2A: 1, 2) |
| **Big Idea: Quantities and numbers can be grouped****by or partitioned into equal-sized units.** |
| **Unitizing Quantities and Comparing Units to the Whole**- Partitions into and skip-counts by equal-sized units and recognizes that the results will be the same when counted by ones. (Activities 8, 12) |
| **Big Idea: Patterns and relations can be represented with symbols, equations, and expressions.** |
| **Understanding Equality and Inequality, Building on Generalized Operations of Numbers and Operations**- Records different expressions of the same quantity as equalities (e.g., 2 + 4 = 5 + 1). (Activities 11, 12) |

**Master 21e**

**Nova Scotia (continued)**

**Alberta/Northwest Territories/Nunavut**

**Master 21f**

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| **Learning Outcomes** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **General Outcome**Students will be expected to demonstrate number sense.**Cross Strand:** **Patterns and Relations:** Represent algebraic expressions in multiple ways. |
| **Number****1.** Say the number sequence 0 to 100 by:* **1a.** 2s, 5s, and 10s, forward and backward, using starting points that are multiples of 2, 5, and 10 respectively.

**2.** Demonstrate if a number (up to 100) is even or odd.**3.** Describe order or relative position using ordinal numbers (up to tenth). **4.** Represent and describe numbers to 100, concretely, pictorially and symbolically. **5.** Compare and order numbers up to 100.**6.** Estimate quantities to 100, using referents.**10.** Apply mental mathematics strategies for basic addition facts and related subtraction facts to 18.**Patterns and Relations** **4.** Demonstrate and explain the meaning of equality and inequality, concretely and pictorially. | **Below Grade: Intervention**3: My 10 Bracelet4: Who Has More?**On Grade: Teacher Cards**6: Comparing Quantities (N5)7: Ordering Quantities (N5)8: Odd and Even Numbers (N2)9: Ordinal Numbers (N3) 10: Estimating with Benchmarks (N6)11: Decomposing to 20 (N1a, N4, N10, PR4 )12: Number Relationships 1 Consolidation (N2, N3, N4, N5, N10, PR4) **On Grade: Math Every Day****Card 2A:** Show Me in Different Ways (N2, N4, N5)Guess My Number (N2, N4, N5)**Card 2B:** Math Commander (N2, N3)Building an Open Number Line(N4, N5) | **Below Grade:*** Paddling the River (Activities 6, 7, 11, 12)
* A Family Cookout (Activities 6, 7, 10)
* At the Corn Farm (Activity 10)
* Canada’s Oldest Sport (Activities 11, 12)

**On Grade:*** What Would You Rather?(Activities 6, 7, 10, 12)
* The Great Dogsled Race(Activities 6, 7)
* Back to Batoche(Activity 7)
* Ways to Count (Activities 8, 10)
* Family Fun Day (Activities 11, 12)

**Above Grade:*** Math Makes Me Laugh (Activity 6)
* Fantastic Journeys (Activities 6, 7, 10, 12)
* Finding Buster (Activity 11)
* How Numbers Work (Activity 11)
 | **Big Idea: Numbers tell us how many and how much.** |
| **Applying the Principles of Counting**- Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activity 11)- Names, writes, and matches numerals to numbers and quantities to 10. (MED 2B: 2)- Names, writes, and matches two-digit numerals to quantities. (MED 2B: 2) |
| **Big Idea: Numbers are related in many ways.** |
| **Comparing and Ordering Quantities (Multitude or Magnitude)**- Compares and orders quantities and written numbers using benchmarks. (Activities 6, 7, 12; MED 2A: 2, MED 2B: 4)- Determines how many more/less one quantity is compared to another. (Activities 6, 12; MED 2A: 1, 2)- Determines and describes the relative position of objects using ordinal numbers. (Activities 9, 12; MED 2B: 1)- Uses ordinal numbers in context. (Activities 9, 12; MED 2B: 1)**Estimating Quantities and Numbers**- Uses relevant benchmarks to compare and estimate quantities (e.g., more/less than 10). (Activity 10)**Decomposing Wholes into Parts and Composing Wholes from Parts**- Composes and decomposes quantities to 20. (Activities 11, 12; MED 2A: 1, 2) |
| **Big Idea: Quantities and numbers can be grouped****by or partitioned into equal-sized units.** |
| **Unitizing Quantities and Comparing Units to the Whole**- Partitions into and skip-counts by equal-sized units and recognizes that the results will be the same when counted by ones. (Activities 8, 12) |
| **Big Idea: Patterns and relations can be represented with symbols, equations, and expressions.** |
| **Understanding Equality and Inequality, Building on Generalized Operations of Numbers and Operations**- Records different expressions of the same quantity as equalities (e.g., 2 + 4 = 5 + 1). (Activities 11, 12) |

**Alberta/Northwest Territories/Nunavut (continued)**

**Master 21f**

 **Saskatchewan**

**Master 21g**

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| **Specific Outcomes** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **Goals**Spatial Sense, Logical Thinking, Mathematics as a Human Endeavour |
| **N2.1** Demonstrate understanding of whole numbers to 100 (concretely, pictorially, physically, orally, in writing, and symbolically) by:* **N2.1a representing (including place value)**
* N2.1b describing
* **N2.1c skip counting**
* **N2.1d differentiating between odd and even numbers**
* **N2.1e estimating with referents**
* **N2.1f comparing two numbers**
* **N2.1g ordering three or more numbers**
 | **Below Grade: Intervention**3: My 10 Bracelet4: Who Has More?**On Grade: Teacher Cards**6: Comparing Quantities (N2.1f)7: Ordering Quantities (N2.1f, N2.1g)8: Odd and Even Numbers (N2.1d)9: Ordinal Numbers (N2.1a) 10: Estimating with Benchmarks (N2.1e)11: Decomposing to 20 (N2.1a, N2.1c)12: Number Relationships 1 Consolidation (N2.1a, N2.1d, N2.1f, N2.1g) **On Grade: Math Every Day****Card 2A:** Show Me in Different Ways (N2.1a, N2.1d, N2.1f)Guess My Number (N2.1a, N2.1d, N2.1f)**Card 2B:** Math Commander (N2.1a, N2.1d)Building an Open Number Line(N2.1a, N2.1g) | **Below Grade:*** Paddling the River (Activities 6, 7, 11, 12)
* A Family Cookout (Activities 6, 7, 10)
* At the Corn Farm (Activity 10)
* Canada’s Oldest Sport (Activities 11, 12)

**On Grade:*** What Would You Rather?(Activities 6, 7, 10, 12)
* The Great Dogsled Race(Activities 6, 7)
* Back to Batoche(Activity 7)
* Ways to Count (Activities 8, 10)
* Family Fun Day (Activities 11, 12)

**Above Grade:*** Math Makes Me Laugh (Activity 6)
* Fantastic Journeys (Activities 6, 7, 10, 12)
* Finding Buster (Activity 11)
* How Numbers Work (Activity 11)
 | **Big Idea: Numbers tell us how many and how much.** |
| **Applying the Principles of Counting**- Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activity 11)- Names, writes, and matches numerals to numbers and quantities to 10. (MED 2B: 2)- Names, writes, and matches two-digit numerals to quantities. (MED 2B: 2) |
| **Big Idea: Numbers are related in many ways.** |
| **Comparing and Ordering Quantities (Multitude or Magnitude)**- Compares and orders quantities and written numbers using benchmarks. (Activities 6, 7, 12; MED 2A: 2, MED 2B: 4)- Determines how many more/less one quantity is compared to another. (Activities 6, 12; MED 2A: 1, 2)- Determines and describes the relative position of objects using ordinal numbers. (Activities 9, 12; MED 2B: 1)- Uses ordinal numbers in context. (Activities 9, 12; MED 2B: 1)**Estimating Quantities and Numbers**- Uses relevant benchmarks to compare and estimate quantities (e.g., more/less than 10). (Activity 10)**Decomposing Wholes into Parts and Composing Wholes from Parts**- Composes and decomposes quantities to 20. (Activities 11, 12; MED 2A: 1, 2) |
| **Big Idea: Quantities and numbers can be grouped****by or partitioned into equal-sized units.** |
| **Unitizing Quantities and Comparing Units to the Whole**- Partitions into and skip-counts by equal-sized units and recognizes that the results will be the same when counted by ones. (Activities 8, 12) |
| **Big Idea: Patterns and relations can be represented with symbols, equations, and expressions.** |
| **Understanding Equality and Inequality, Building on Generalized Operations of Numbers and Operations**- Records different expressions of the same quantity as equalities (e.g., 2 + 4 = 5 + 1). (Activities 11, 12) |

**Master 21g**

**Saskatchewan (continued)**