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 numbers  to twenty, using meaningful contexts  **N1.3** compose and decompose two-digit numbers in a variety of ways, using concrete  materials  **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 whole  numbers to 18 in a variety of ways, using concrete materials | **Below Grade: Intervention**  3: My 10 Bracelet  4: 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 Bracelet  4: 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 Bracelet  4: 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 Bracelet  4: 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 Bracelet  4: 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 Bracelet  4: 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 Bracelet  4: 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)**