

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Ontario

Curriculum Expectations	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
Overall Expectation Patterns and Relationships: identify, describe, extend, and create repeating patterns, growing patterns, and shrinking patterns Cross Strand: Number Operational Sense: solve problems involving the addition and subtraction of one- and two-digit whole numbers, using a variety of strategies, and investigate multiplication and division.			
P2.1 identify and describe, through investigation, growing patterns and shrinking patterns generated by the repeated addition or subtraction of 1's, 2's, 5's, 10's, and 25's on a number line and on a hundreds chart P2.2 identify, describe, and create, through investigation, growing patterns and shrinking patterns involving addition and subtraction, with and without the use of calculators P2.3 identify repeating, growing, and shrinking patterns found in real-life contexts P2.4 represent a given growing or shrinking pattern in a variety of ways	Below Grade: Intervention 3: Skip-Counting 4: Repeated Addition and Subtraction On Grade: Teacher Cards 6: Increasing Patterns 1 (P2.2, P2.7) 7: Increasing Patterns 2 (P2.2, P2.4, P2.7) 8: Decreasing Patterns (P2.2, P2.4, P2.7) 9: Extending Patterns (P2.2, P2.7) 10: Reproducing Patterns (P2.4) 11: Creating Patterns (P2.2, P2.3, P2.5, P2.7) 12: Errors and Missing Terms (P2.2, P2.5, N2.12) 13: Solving Problems (P2.2, P2.3, P2.4, N2.12) 14: Increasing/Decreasing Patterns Consolidation (P2.2, P2.3, P2.4, P2.5, P2.7)	On Grade: <ul style="list-style-type: none"> The Best Surprise (Activities 6, 8, 9, 10, 11, 13, 14) Pattern Quest (Activities 6, 10, 11, 14) Above Grade: <ul style="list-style-type: none"> Namir's Marvellous Masterpieces (Activities 6, 8, 10, 11, 13, 14) 	Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Representing and Generalizing Increasing/Decreasing Patterns <ul style="list-style-type: none"> Identifies and extends non-numeric increasing/decreasing patterns (e.g., jump-clap; jump-clap-clap; jump-clap-clap clap, etc.). (Activities 6, 7, 8, 9, 10, 13, 14) Identifies and extends familiar number patterns and makes connections to addition (e.g., skip-counting by 2s, 5s, 10s). (Activities 7, 10, 13, 14) Identifies, reproduces, and extends increasing/decreasing patterns concretely, pictorially, and numerically using repeated addition or subtraction. (Activities 7, 8, 9, 10, 13, 14) Extends number patterns and finds missing elements (e.g., 1, 3, 5, __, 9, ...). (Activities 12; MED 2A: 2) Creates an increasing/decreasing pattern (concretely, pictorially, and/or numerically) and explains the pattern rule. (Activities 11, 14; MED 2A: 1; MED 2B: 1, 2)

Mathology 2

Copyright © 2019 Pearson Canada Inc.

The right to reproduce or modify this page is restricted to purchasing schools.
 This page may have been modified from its original.

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Ontario (continued)

P2.5 create growing or shrinking patterns P2.7 demonstrate, through investigation, an understanding that a pattern results from repeating an operation (e.g., addition, subtraction) or making a repeated change to an attribute (e.g., colour, orientation). N2.12 solve problems involving the addition and subtraction of whole numbers to 18, using a variety of mental strategies	On Grade: Math Every Day Card 2A: How Many Can We Make? (P2.1, P2.2, P2.5, P2.7) Error Hunt (P2.2, P2.7) Card 2B: Making Increasing Patterns (P2.2, P2.7) Making Decreasing Patterns (P2.2, P2.7)	Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much. Developing Fluency of Addition and Subtraction Computation - Fluently adds and subtracts with quantities to 20. (Activities 6, 7, 8, 9, 10, 11, 12, 13, 14, MED 2A: 1, 2; MED 2B: 1, 2)
---	--	---

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

British Columbia/Yukon Territories

Learning Standards	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
Big Idea The regular change in increasing patterns can be identified and used to make generalizations. Cross Strand: Number			
Repeating and increasing patterns 2.16 increasing patterns using manipulatives, sounds, actions, and numbers (0 to 100) 2.17 Metis finger weaving 2.18 First Peoples head/armband patterning Addition and subtraction facts to 20 2.5 adding and subtracting numbers to 20	Below Grade: Intervention 3: Skip-Counting 4: Repeated Addition and Subtraction On Grade: Teacher Cards 6: Increasing Patterns 1 (2.15, 2.16) 7: Increasing Patterns 2 (2.5, 2.16) 8: Decreasing Patterns (not required by your curriculum) 9: Extending Patterns (2.5, 2.16) 10: Reproducing Patterns (2.5, 2.16) 11: Creating Patterns (2.5, 2.16) 12: Errors and Missing Terms (2.5, 2.16) 13: Solving Problems (2.5, 2.16, 2.17, 2.18) 14: Increasing/Decreasing Patterns Consolidation (2.5, 2.16)	On Grade: <ul style="list-style-type: none"> The Best Surprise (Activities 6, 8, 9, 10, 11, 13, 14) Pattern Quest (Activities 6, 10, 11, 14) Above Grade: <ul style="list-style-type: none"> Namir's Marvellous Masterpieces (Activities 6, 8, 10, 11, 13, 14) 	Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Representing and Generalizing Increasing/Decreasing Patterns <ul style="list-style-type: none"> Identifies and extends non-numeric increasing/decreasing patterns (e.g., jump-clap; jump-clap-clap; jump-clap-clap clap, etc.). (Activities 6, 7, 8, 9, 10, 13, 14) Identifies and extends familiar number patterns and makes connections to addition (e.g., skip-counting by 2s, 5s, 10s). (Activities 7, 10, 13, 14) Identifies, reproduces, and extends increasing/decreasing patterns concretely, pictorially, and numerically using repeated addition or subtraction. (Activities 7, 8, 9, 10, 13, 14) Extends number patterns and finds missing elements (e.g., 1, 3, 5, __, 9, ...). (Activities 12; MED 2A: 2) Creates an increasing/decreasing pattern (concretely, pictorially, and/or numerically) and explains the pattern rule. (Activities 11, 14; MED 2A: 1; MED 2B: 1, 2)

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

British Columbia/Yukon Territories (continued)

	<p>On Grade: Math Every Day Card 2A: How Many Can We Make? (2.5, 2.16) Error Hunt (2.5, 2.16) Card 2B: Making Increasing Patterns (2.5, 2.16) Making Decreasing Patterns (2.5, 2.16)</p>	<p>Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much.</p> <p>Developing Fluency of Addition and Subtraction Computation</p> <p>- Fluently adds and subtracts with quantities to 20. (Activities 6, 7, 8, 9, 10, 11, 12, 13, 14, MED 2A: 1, 2; MED 2B: 1, 2)</p>
--	---	--

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

New Brunswick/Prince Edward Island/Newfoundland and Labrador

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
General Outcome Use patterns to describe the world and solve problems. Cross Strand: Number Develop number sense.			
2PR2 Demonstrate an understanding of increasing patterns by: <ul style="list-style-type: none"> • 2PR2.1 describing • 2PR2.2 extending • 2PR2.3 comparing • 2PR2.4 creating patterns using manipulatives, diagrams, sounds and actions 2N10 Apply mental mathematics strategies to determine basic addition facts to 18 and related subtraction facts	Below Grade: Intervention 3: Skip-Counting 4: Repeated Addition and Subtraction On Grade: Teacher Cards 6: Increasing Patterns 1 (2PR2.1, 2PR2.2, 2N10) 7: Increasing Patterns 2 (2PR2.1, 2PR2.2, 2N10) 8: Decreasing Patterns (not required by your curriculum) 9: Extending Patterns (2PR2.1, 2PR2.2, 2PR2.3, 2N10) 10: Reproducing Patterns (2PR2.1, 2PR2.2, 2N10) 11: Creating Patterns (2PR2.1, 2PR2.2, 2PR2.4, 2N10) 12: Errors and Missing Terms (2PR2.1, 2PR2.2, 2PR2.4, 2N10) 13: Solving Problems (2PR2.2, 2PR2.3, 2N10)	On Grade: <ul style="list-style-type: none"> • The Best Surprise (Activities 6, 8, 9, 10, 11, 13, 14) • Pattern Quest (Activities 6, 10, 11, 14) Above Grade: <ul style="list-style-type: none"> • Namir's Marvellous Masterpieces (Activities 6, 8, 10, 11, 13, 14) 	Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Representing and Generalizing Increasing/Decreasing Patterns <ul style="list-style-type: none"> - Identifies and extends non-numeric increasing/decreasing patterns (e.g., jump-clap; jump-clap-clap; jump-clap-clap clap, etc.). (Activities 6, 7, 8, 9, 10, 13, 14) - Identifies and extends familiar number patterns and makes connections to addition (e.g., skip-counting by 2s, 5s, 10s). (Activities 7, 10, 13, 14) - Identifies, reproduces, and extends increasing/decreasing patterns concretely, pictorially, and numerically using repeated addition or subtraction. (Activities 7, 8, 9, 10, 13, 14) - Extends number patterns and finds missing elements (e.g., 1, 3, 5, __, 9, ...). (Activities 12; MED 2A: 2) - Creates an increasing/decreasing pattern (concretely, pictorially, and/or numerically) and explains the pattern rule. (Activities 11, 14; MED 2A: 1; MED 2B: 1, 2)

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

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

	<p>14: Increasing/Decreasing Patterns Consolidation (2PR2.1, 2PR2.2, 2PR2.3, 2PR2.4, 2N10)</p> <p>On Grade: Math Every Day Card 2A: How Many Can We Make? (2PR2.1, 2PR2.2, 2PR2.4, 2N10) Error Hunt (2PR2.1, 2N10)</p> <p>Card 2B: Making Increasing Patterns (2PR2.1, 2PR2.4, 2N10) Making Decreasing Patterns (2PR2.1, 2PR2.4, 2N10)</p>	<p>Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much.</p> <p>Developing Fluency of Addition and Subtraction Computation</p> <p>- Fluently adds and subtracts with quantities to 20. (Activities 6, 7, 8, 9, 10, 11, 12, 13, 14, MED 2A: 1, 2; MED 2B: 1, 2)</p>
--	---	---

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Manitoba

	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
General Outcome Use patterns to describe the world and solve problems. Cross Strand: Number Develop number sense.			
2.PR.2 Demonstrate an understanding of increasing patterns by: <ul style="list-style-type: none"> • 2.PR.2.1 describing • 2.PR.2.2 reproducing • 2.PR.2.3 extending • 2.PR.2.4 creating patterns using manipulatives, diagrams, sounds, and actions (numbers to 100) 2.N.10 Apply mental mathematics strategies to develop recall of basic addition facts to 18 and related subtraction facts	Below Grade: Intervention 3: Skip-Counting 4: Repeated Addition and Subtraction On Grade: Teacher Cards 6: Increasing Patterns 1 (2.PR.2.1, 2.PR.2.2, 2.PR.2.3, 2.N.10) 7: Increasing Patterns 2 (2.PR.2.1, 2.PR.2.2, 2.PR.2.3, 2.N.10) 8: Decreasing Patterns (not required by your curriculum) 9: Extending Patterns (2.PR.2.1, 2.PR.2.2, 2.PR.2.3, 2.N.10) 10: Reproducing Patterns (2.PR.2.1, 2.PR.2.2, 2.PR.2.3, 2.N.10) 11: Creating Patterns (2.PR.2.1, 2.PR.2.3, 2.PR.2.4, 2.N.10) 12: Errors and Missing Terms (2.PR.2.1, 2.PR.2.3, 2.PR.2.4, 2.N.10) 13: Solving Problems (2.PR.2.2, 2.PR.2.3, 2.N.10)	On Grade: <ul style="list-style-type: none"> • The Best Surprise (Activities 6, 8, 9, 10, 11, 13, 14) • Pattern Quest (Activities 6, 10, 11, 14) Above Grade: <ul style="list-style-type: none"> • Namir's Marvellous Masterpieces (Activities 6, 8, 10, 11, 13, 14) 	Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Representing and Generalizing Increasing/Decreasing Patterns <ul style="list-style-type: none"> - Identifies and extends non-numeric increasing/decreasing patterns (e.g., jump-clap: jump-clap-clap; jump-clap-clap clap, etc.). (Activities 6, 7, 8, 9, 10, 13, 14) - Identifies and extends familiar number patterns and makes connections to addition (e.g., skip-counting by 2s, 5s, 10s). (Activities 7, 10, 13, 14) - Identifies, reproduces, and extends increasing/decreasing patterns concretely, pictorially, and numerically using repeated addition or subtraction. (Activities 7, 8, 9, 10, 13, 14) - Extends number patterns and finds missing elements (e.g., 1, 3, 5, __, 9, ...). (Activities 12; MED 2A: 2) - Creates an increasing/decreasing pattern (concretely, pictorially, and/or numerically) and explains the pattern rule. (Activities 11, 14; MED 2A: 1; MED 2B: 1, 2)

Mathology 2

Copyright © 2019 Pearson Canada Inc.

The right to reproduce or modify this page is restricted to purchasing schools.
 This page may have been modified from its original.

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Manitoba (continued)

	<p>14: Increasing/Decreasing Patterns Consolidation (2.PR.2.1, 2.PR.2.2, 2.PR.2.3, 2.PR.2.4, 2.N.10)</p> <p>On Grade: Math Every Day Card 2A: How Many Can We Make? (2.PR.2.1, 2.PR.2.3, 2.PR.2.4, 2.N.10) Error Hunt (2.PR.2.1, 2.N.10) Card 2B: Making Increasing Patterns (2.PR.2.1, 2.PR.2.4, 2.N.10) Making Decreasing Patterns (2.PR.2.1, 2.PR.2.4, 2.N.10)</p>	<p>Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much.</p> <p>Developing Fluency of Addition and Subtraction Computation</p> <p>- Fluently adds and subtracts with quantities to 20. (Activities 6, 7, 8, 9, 10, 11, 12, 13, 14, MED 2A: 1, 2; MED 2B: 1, 2)</p>
--	--	---

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Nova Scotia

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 use patterns to describe the world and solve problems. Cross Strand: Number Students will be expected to develop number sense.			
2PR02 Students will be expected to demonstrate an understanding of increasing patterns by describing, extending, and creating numerical patterns (numbers to 100) and non-numerical patterns using manipulatives, diagrams, sounds, and actions.	Below Grade: Intervention 3: Skip-Counting 4: Repeated Addition and Subtraction On Grade: Teacher Cards 6: Increasing Patterns 1 (2PR02, 2N10) 7: Increasing Patterns 2 (2PR02, 2N10) 8: Decreasing Patterns (not required by your curriculum) 9: Extending Patterns (2PR02, 2N10) 10: Reproducing Patterns (2PR02, 2N10) 11: Creating Patterns (2PR02, 2N10) 12: Errors and Missing Terms (2PR02, 2N10) 13: Solving Problems (2PR02, 2N10) 14: Increasing/Decreasing Patterns Consolidation (2PR02, 2N10)	On Grade: <ul style="list-style-type: none"> The Best Surprise (Activities 6, 8, 9, 10, 11, 13, 14) Pattern Quest (Activities 6, 10, 11, 14) Above Grade: <ul style="list-style-type: none"> Namir's Marvellous Masterpieces (Activities 6, 8, 10, 11, 13, 14) 	Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Representing and Generalizing Increasing/Decreasing Patterns <ul style="list-style-type: none"> Identifies and extends non-numeric increasing/decreasing patterns (e.g., jump-clap; jump-clap-clap; jump-clap-clap clap, etc.). (Activities 6, 7, 8, 9, 10, 13, 14) Identifies and extends familiar number patterns and makes connections to addition (e.g., skip-counting by 2s, 5s, 10s). (Activities 7, 10, 13, 14) Identifies, reproduces, and extends increasing/decreasing patterns concretely, pictorially, and numerically using repeated addition or subtraction. (Activities 7, 8, 9, 10, 13, 14) Extends number patterns and finds missing elements (e.g., 1, 3, 5, __, 9, ...). (Activities 12; MED 2A: 2) Creates an increasing/decreasing pattern (concretely, pictorially, and/or numerically) and explains the pattern rule. (Activities 11, 14; MED 2A: 1; MED 2B: 1, 2)
2N10 Students will be expected to apply mental mathematics strategies to quickly recall basic addition facts to 18 and determine related subtraction facts.			

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Nova Scotia (continued)

	On Grade: Math Every Day Card 2A: How Many Can We Make? (2PR02, 2N10) Error Hunt (2PR02, 2N10) Card 2B: Making Increasing Patterns (2PR02, 2N10) Making Decreasing Patterns (2PR02, 2N10)	Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much. Developing Fluency of Addition and Subtraction Computation - Fluently adds and subtracts with quantities to 20. (Activities 6, 7, 8, 9, 10, 11, 12, 13, 14, MED 2A: 1, 2; MED 2B: 1, 2)
--	---	---

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Alberta/Northwest Territories/Nunavut

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
General Outcome Use patterns to describe the world and to solve problems. Cross Strand: Number Develop number sense.			
2PR2 Demonstrate an understanding of increasing patterns by: <ul style="list-style-type: none"> • 2PR2.1 describing • 2PR2.2 reproducing • 2PR2.3 extending • 2PR2.4 creating numerical (numbers to 100) and non-numerical patterns using manipulatives, diagrams, sounds and actions. 2N10 Apply mental mathematics strategies for basic addition facts and related subtraction facts to 18.	Below Grade: Intervention 3: Skip-Counting 4: Repeated Addition and Subtraction On Grade: Teacher Cards 6: Increasing Patterns 1 (2PR2.1, 2PR2.2, 2PR2.3, 2N10) 7: Increasing Patterns 2 (2PR2.1, 2PR2.2, 2PR2.3, 2N10) 8: Decreasing Patterns (not required by your curriculum) 9: Extending Patterns (2PR2.1, 2PR2.2, 2PR2.3, 2N10) 10: Reproducing Patterns (2PR2.1, 2PR2.2, 2PR2.3, 2N10) 11: Creating Patterns (2PR2.1, 2PR2.3, 2PR2.4, 2N10) 12: Errors and Missing Terms (2PR2.1, 2PR2.3, 2PR2.4, 2N10) 13: Solving Problems (2PR2.2, 2PR2.3, 2N10)	On Grade: <ul style="list-style-type: none"> • The Best Surprise (Activities 6, 8, 9, 10, 11, 13, 14) • Pattern Quest (Activities 6, 10, 11, 14) Above Grade: <ul style="list-style-type: none"> • Namir's Marvellous Masterpieces (Activities 6, 8, 10, 11, 13, 14) 	Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Representing and Generalizing Increasing/Decreasing Patterns <ul style="list-style-type: none"> - Identifies and extends non-numeric increasing/decreasing patterns (e.g., jump-clap; jump-clap-clap; jump-clap-clap clap, etc.). (Activities 6, 7, 8, 9, 10, 13, 14) - Identifies and extends familiar number patterns and makes connections to addition (e.g., skip-counting by 2s, 5s, 10s). (Activities 7, 10, 13, 14) - Identifies, reproduces, and extends increasing/decreasing patterns concretely, pictorially, and numerically using repeated addition or subtraction. (Activities 7, 8, 9, 10, 13, 14) - Extends number patterns and finds missing elements (e.g., 1, 3, 5, __, 9, ...). (Activities 12; MED 2A: 2) - Creates an increasing/decreasing pattern (concretely, pictorially, and/or numerically) and explains the pattern rule. (Activities 11, 14; MED 2A: 1; MED 2B: 1, 2)

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Alberta/Northwest Territories/Nunavut (continued)

	<p>14: Increasing/Decreasing Patterns Consolidation (2PR2.1, 2PR2.2, 2PR2.3, 2PR2.4, 2N10)</p> <p>On Grade: Math Every Day Card 2A: How Many Can We Make? (2PR2.1, 2PR2.3, 2PR2.4, 2N10) Error Hunt (2PR2.1, 2N10) Card 2B: Making Increasing Patterns (2PR2.1, 2PR2.4, 2N10) Making Decreasing Patterns (2PR2.1, 2PR2.4, 2N10)</p>	<p>Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much.</p> <p>Developing Fluency of Addition and Subtraction Computation</p> <p>- Fluently adds and subtracts with quantities to 20. (Activities 6, 7, 8, 9, 10, 11, 12, 13, 14, MED 2A: 1, 2; MED 2B: 1, 2)</p>
--	--	---

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Saskatchewan

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
Goals Number Sense, Logical Thinking, Spatial Sense, Mathematics as a Human Endeavour Cross Strand: Number			
P2.2 Demonstrate understanding of increasing patterns by: <ul style="list-style-type: none"> • P2.2.1 describing • P2.2.2 reproducing • P2.2.3 extending • P2.2.4 creating patterns using manipulatives, pictures, sounds, and actions (numbers to 100). N2.2 Demonstrate understanding of addition (limited to 1 and 2-digit numerals) with answers to 100 and the corresponding subtraction.	Below Grade: Intervention 3: Skip-Counting 4: Repeated Addition and Subtraction On Grade: Teacher Cards 6: Increasing Patterns 1 (P2.2.1, P2.2.2, P2.2.3, N2.2) 7: Increasing Patterns 2 (P2.2.1, P2.2.2, P2.2.3, N2.2) 8: Decreasing Patterns (not required by your curriculum) 9: Extending Patterns (P2.2.1, P2.2.2, P2.2.3, N2.2) 10: Reproducing Patterns (P2.2.1, P2.2.2, P2.2.3, N2.2) 11: Creating Patterns (P2.2.1, P2.2.3, P2.2.4, N2.2) 12: Errors and Missing Terms (P2.2.1, P2.2.3, P2.2.4, N2.2) 13: Solving Problems (P2.2.2, P2.2.3, N2.2) 14: Increasing/Decreasing Patterns Consolidation (P2.2.1, P2.2.2, P2.2.3, P2.2.4, N2.2)	On Grade: <ul style="list-style-type: none"> • The Best Surprise (Activities 6, 8, 9, 10, 11, 13, 14) • Pattern Quest (Activities 6, 10, 11, 14) Above Grade: <ul style="list-style-type: none"> • Namir's Marvellous Masterpieces (Activities 6, 8, 10, 11, 13, 14) 	Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Representing and Generalizing Increasing/Decreasing Patterns <ul style="list-style-type: none"> - Identifies and extends non-numeric increasing/decreasing patterns (e.g., jump-clap; jump-clap-clap; jump-clap-clap clap, etc.). (Activities 6, 7, 8, 9, 10, 13, 14) - Identifies and extends familiar number patterns and makes connections to addition (e.g., skip-counting by 2s, 5s, 10s). (Activities 7, 10, 13, 14) - Identifies, reproduces, and extends increasing/decreasing patterns concretely, pictorially, and numerically using repeated addition or subtraction. (Activities 7, 8, 9, 10, 13, 14) - Extends number patterns and finds missing elements (e.g., 1, 3, 5, __, 9, ...). (Activities 12; MED 2A: 2) - Creates an increasing/decreasing pattern (concretely, pictorially, and/or numerically) and explains the pattern rule. (Activities 11, 14; MED 2A: 1; MED 2B: 1, 2)

Curriculum Correlation

Patterning and Algebra Cluster 2: Increasing/Decreasing Patterns

Saskatchewan (continued)

	<p>On Grade: Math Every Day Card 2A: How Many Can We Make? (P2.2.1, P2.2.3, P2.2.4, N2.2) Error Hunt (P2.2.1, N2.2)</p> <p>Card 2B: Making Increasing Patterns (P2.2.1, P2.2.4, N2.2) Making Decreasing Patterns (P2.2.1, P2.2.4, N2.2)</p>	<p>Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much.</p> <p>Developing Fluency of Addition and Subtraction Computation</p> <p>- Fluently adds and subtracts with quantities to 20. (Activities 6, 7, 8, 9, 10, 11, 12, 13, 14, MED 2A: 1, 2; MED 2B: 1, 2)</p>
--	--	--