Correlation of Mathematics Readers Grade 3 to the British Columbia Mathematics Integrated Resource Package

Number

PRESCRIBED LEARNING OUTCOME
A8.
Apply estimation strategies to predict sums and differences of two 2-digit numerals in a problem solving context [C, ME, PS, R]

Correlated Lessons:
Collecting Data Reader; Reading the Newspaper Reader Objective 21: Uses specific strategies (e.g., front-end estimation, rounding) to estimate computations and to check the reasonableness of computational results

Collecting Data; Reading the Newspaper Page 33 Objective 01: Students will use specific strategies to estimate computations and to check the reasonableness of computational results.

PRESCRIBED LEARNING OUTCOME
A9.2.
Demonstrate an understanding of addition and subtraction of numbers with answers to 1000 (limited to 1, 2 and 3-digit numerals) by: creating and solving problems in contexts that involve addition and subtraction of numbers concretely, pictorially, and symbolically [C, CN, ME, PS, R]

Correlated Lessons:
My Lemonade Stand Reader; The World of Trade Reader Objective 27: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., computations involving recipes, computations with dollars and cents)

Tracking Time Reader; Timing Races Reader Objective 38: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., uses problems involving elapsed time)

PRESCRIBED LEARNING OUTCOME
A11.2
Demonstrate an understanding of multiplication to 5 x 5 by:creating and solving problems in context that involve multiplication

Correlated Lessons:
At the Fire Station Reader Objective 43: Solves real-world problems involving number operations-multiplication and division (e.g., finds total measurements of length or volume, measuring a perimeter of an area)

My Lemonade Stand Reader; The World of Trade Reader Objective 27: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., computations involving recipes, computations with dollars and cents)

Tracking Time Reader; Timing Races Reader Objective 38: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., uses problems involving elapsed time)

PRESCRIBED LEARNING OUTCOME
A12.1.
Demonstrate an understanding of division by: representing and explaining division using equal sharing and equal grouping (limited to division related to multiplication facts up to 5X5)

Correlated Lessons:
What Are Budgets? Reader; Our Vacation Budget Reader Objective 51: Understands the concept of a unit and its subdivision into equal parts (part-whole relationship) (e.g., understands that a dollar equals 100 pennies)

PRESCRIBED LEARNING OUTCOME
A12.2.
Demonstrate an understanding of division by: creating and solving problems in context that involve equal sharing and equal grouping (limited to division related to multiplication facts up to 5X5)

Correlated Lessons:
At the Fire Station Reader Objective 43: Solves real-world problems involving number operations-multiplication and division (e.g., finds total measurements of length or volume, measuring a perimeter of an area)

My Lemonade Stand Reader; The World of Trade Reader Objective 27: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., computations involving recipes, computations with dollars and cents)

Tracking Time Reader; Timing Races Reader Objective 38: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., uses problems involving elapsed time)

PRESCRIBED LEARNING OUTCOME
A12.3.
Demonstrate an understanding of division by: modelling equal sharing and equal grouping using concrete and visual representations, and recording the process symbolically (limited to division related to multiplication facts up to 5X5)

Correlated Lessons:
What Are Budgets? Reader; Our Vacation Budget Reader Objective 51: Understands the concept of a unit and its subdivision into equal parts (part-whole relationship) (e.g., understands that a dollar equals 100 pennies)

A13.1.

Demonstrate an understanding of fractions by: explaining that a fraction represents a part of a whole

Correlated Lessons:

What Are Budgets? Reader; Our Vacation Budget Reader Objective 51: Understands the concept of a unit and its subdivision into equal parts (part-whole relationship) (e.g., understands that a dollar equals 100 pennies)

Patterns and Relations

B1.1.

Patterns: Demonstrate an understanding of increasing patterns by: describing patterns using manipulatives, diagrams, sounds, and actions (numbers to 1000)

Correlated Lessons:

My Lemonade Stand Reader; The World of Trade Reader Objective 28: Recognizes a variety of number patterns (e.g., basic linear patterns such as [2,4,6,8&]; simple, repeating, growing patterns) and the rules that explain them

The World of Trade; My Lemonade Stand Page 81 Objective 06: Students will recognize, create, extend, and continue numerical patterns.

B1.2.

Patterns: Demonstrate an understanding of increasing patterns by: extending patterns using manipulatives, diagrams, sounds, and actions (numbers to 1000)

Correlated Lessons:

My Lemonade Stand Reader; The World of Trade Reader Objective 28: Recognizes a variety of number patterns (e.g., basic linear patterns such as [2,4,6,8&]; simple, repeating, growing patterns) and the rules that explain them

The World of Trade; My Lemonade Stand Page 81 Objective 06: Students will recognize, create, extend, and continue numerical patterns.

B1.3.

Patterns: Demonstrate an understanding of increasing patterns by: comparing patterns using manipulatives, diagrams, sounds, and actions (numbers to 1000)

Correlated Lessons:

My Lemonade Stand Reader; The World of Trade Reader Objective 28: Recognizes a variety of number

patterns (e.g., basic linear patterns such as [2,4,6,8&]; simple, repeating, growing patterns) and the rules that explain them

The World of Trade; My Lemonade Stand Page 81 Objective 06: Students will recognize, create, extend, and continue numerical patterns.

PRESCRIBED LEARNING OUTCOME
B2.1.
Patterns: Demonstrate an understanding of decreasing patterns by: describing patterns using manipulatives, diagrams, sounds, and actions (numbers to 1000)

Correlated Lessons:
My Lemonade Stand Reader; The World of Trade Reader Objective 28: Recognizes a variety of number patterns (e.g., basic linear patterns such as [2,4,6,8&]; simple, repeating, growing patterns) and the rules that explain them

The World of Trade; My Lemonade Stand Page 81 Objective 06: Students will recognize, create, extend, and continue numerical patterns.

PRESCRIBED LEARNING OUTCOME
B2.2.
Patterns: Demonstrate an understanding of decreasing patterns by: extending patterns using manipulatives, diagrams, sounds, and actions (numbers to 1000)

Correlated Lessons:
My Lemonade Stand Reader; The World of Trade Reader Objective 28: Recognizes a variety of number patterns (e.g., basic linear patterns such as [2,4,6,8&]; simple, repeating, growing patterns) and the rules that explain them

The World of Trade; My Lemonade Stand Page 81 Objective 06: Students will recognize, create, extend, and continue numerical patterns.

PRESCRIBED LEARNING OUTCOME
B2.3.
Patterns: Demonstrate an understanding of decreasing patterns by: comparing patterns using manipulatives, diagrams, sounds, and actions (numbers to 1000)

Correlated Lessons:
My Lemonade Stand Reader; The World of Trade Reader Objective 28: Recognizes a variety of number patterns (e.g., basic linear patterns such as [2,4,6,8&]; simple, repeating, growing patterns) and the rules that explain them

The World of Trade; My Lemonade Stand Page 81 Objective 06: Students will recognize, create, extend, and continue numerical patterns.

Shape and space

PRESCRIBED LEARNING OUTCOME
C1.
Measurement: Relate the passage of time to common activities using non-standard and standard units (minutes, hours, days, weeks, months, years) [CN, ME, R]

Correlated Lessons:
Tracking Time Reader; Timing Races Reader Objective 38: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., uses problems involving elapsed time)

Tracking Time; Timing Races Page 177 Objective 12: Students will calculate real-life problems using elapsed time.

PRESCRIBED LEARNING OUTCOME
C6.
3-D Objects and 2-D Shapes: Describe 3-D objects according to the shape of the faces, and the number of edges and vertices [C, CN, PS, R, V]

Correlated Lessons:
Shapes Around You Reader; A Tour of New York City Reader Objective 34: Knows basic geometric language/characteristics for describing, classifying, and naming three-dimensional shapes (e.g., sphere, cone, cube, cylinder)

Shapes Around You Reader; A Tour of New York City Reader Objective 35: Understands basic properties/characteristics of figures/shapes (e.g., three-dimensionality, lines of symmetry, number of sides or corners, dimensions)

Shaping Our World; Shapes in Art; Shapes Around You; A Tour of New York City Page 105, 129 Objective 17: Students will understand and describe properties/characteristics of two-dimensional and three-dimensional figures/shapes.

Statistics and Probability

PRESCRIBED LEARNING OUTCOME
D1.1.
Data Analysis: Collect first-hand data and organize it using: tally marks to answer questions

Correlated Lessons:
Collecting Data Reader; Reading the Newspaper Reader Objective 23: Reads and interprets simple bar graphs and frequency tables (analyze data)

What Are Budgets? Reader; Our Vacation Budget Reader Objective 54: Organizes and displays and analyzes data in a frequency table

Wildlife Scientists Reader; At Risk! Reader Objective 49: Reads, analyzes and interprets simple bar graphs, pictographs, line graphs, and frequency tables

PRESCRIBED LEARNING OUTCOME
D1.2.
Data Analysis: Collect first-hand data and organize it using: charts to answer questions

Correlated Lessons:
Tracking Time Reader; Timing Races Reader; Natural Measures Reader; At the Fire Station Reader Objective 39: Reads, analyzes, and interprets simple frequency tables (charts)

Wildlife Scientists; At Risk! Page 201 Objective 14: Students will organize, create, display, and read data in simple bar graphs, pictographs, circle graphs (pie charts) and charts.

PRESCRIBED LEARNING OUTCOME
D1.4.
Data Analysis: Collect first-hand data and organize it using: lists to answer questions [C, CN, V]

Correlated Lessons:
Collecting Data Reader; Reading the Newspaper Reader Objective 24: Understands that data comes in many different forms and that collecting, organizing, and displaying data can be done in several ways

What Are Budgets? Reader; Our Vacation Budget Reader Objective 54: Organizes and displays and analyzes data in a frequency table

Wildlife Scientists Reader; At Risk! Reader Objective 48: Organizes and displays and analyzes data in simple bar graphs

Wildlife Scientists Reader; At Risk! Reader Objective 50: Understands that data comes in many different forms and that collecting, organizing, and displaying data can be done in several ways (graphs, tables, charts, etc.)

PRESCRIBED LEARNING OUTCOME
D2.
Data Analysis: Construct, label and interpret bar graphs to solve problems [PS, R, V]

Correlated Lessons:
Collecting Data Reader; Reading the Newspaper Reader Objective 23: Reads and interprets simple bar graphs and frequency tables (analyze data)

Wildlife Scientists Reader; At Risk! Reader Objective 48: Organizes and displays and analyzes data in simple bar graphs

Wildlife Scientists Reader; At Risk! Reader Objective 49: Reads, analyzes and interprets simple bar graphs, pictographs, line graphs, and frequency tables

Wildlife Scientists; At Risk! Page 201 Objective 14: Students will organize, create, display, and read data in simple bar graphs, pictographs, circle graphs (pie charts) and charts.