

Correlation of Mathematics Readers Grade 4 to the British Columbia Mathematics Integrated Resource Package

Number

PRESCRIBED LEARNING OUTCOME

A3.2.

Demonstrate an understanding of addition of numbers with answers to 10 000 and their corresponding subtractions (limited to 3 and 4-digit numerals) by: estimating sums and differences

Correlated Lessons:

Natural Disasters Reader; People Who Predict Reader Objective 31: Uses specific strategies (e.g., rounding) to estimate computations and to check the reasonableness of computational results

Natural Disasters; People Who Predict Page 60, 65 Objective 04: Students will estimate to compute answers/numbers or make predictions.

PRESCRIBED LEARNING OUTCOME

A6.1.

Demonstrate an understanding of multiplication (2- or 3-digit by 1-digit) to solve problems by: using personal strategies for multiplication with and without concrete materials

Correlated Lessons:

Olympic Technology Reader; Hosting the Olympic Summer Games Reader Objective 49: Uses a variety of strategies to understand problem situations (e.g., modeling problem with diagrams or physical objects, counting backward, identifying a pattern)

PRESCRIBED LEARNING OUTCOME

A6.3.

Demonstrate an understanding of multiplication (2- or 3-digit by 1-digit) to solve problems by: connecting concrete representations to symbolic representations

Correlated Lessons:

Olympic Technology Reader; Hosting the Olympic Summer Games Reader Objective 49: Uses a variety of strategies to understand problem situations (e.g., modeling problem with diagrams or physical objects, counting backward, identifying a pattern)

PRESCRIBED LEARNING OUTCOME

A6.4.

Demonstrate an understanding of multiplication (2- or 3-digit by 1-digit) to solve problems by: estimating products [C, CN, ME, PS, R, V]

Correlated Lessons:

Natural Disasters Reader; People Who Predict Reader Objective 31: Uses specific strategies (e.g., rounding) to estimate computations and to check the reasonableness of computational results

Natural Disasters; People Who Predict Page 60, 65 Objective 04: Students will estimate to compute answers/numbers or make predictions.

PRESCRIBED LEARNING OUTCOME

A7.1.

Demonstrate an understanding of division (1-digit divisor and up to 2-digit dividend) to solve problems by: using personal strategies for dividing with and without concrete materials

Correlated Lessons:

Olympic Technology Reader; Hosting the Olympic Summer Games Reader Objective 49: Uses a variety of strategies to understand problem situations (e.g., modeling problem with diagrams or physical objects, counting backward, identifying a pattern)

PRESCRIBED LEARNING OUTCOME

A7.2.

Demonstrate an understanding of division (1-digit divisor and up to 2-digit dividend) to solve problems by: estimating quotients

Correlated Lessons:

Natural Disasters Reader; People Who Predict Reader Objective 31: Uses specific strategies (e.g., rounding) to estimate computations and to check the reasonableness of computational results

Natural Disasters; People Who Predict Page 60, 65 Objective 04: Students will estimate to compute answers/numbers or make predictions.

PRESCRIBED LEARNING OUTCOME

A7.3.

Demonstrate an understanding of division (1-digit divisor and up to 2-digit dividend) to solve problems by: relating division to multiplication [C, CN, ME, PS, R, V]

Correlated Lessons:

The Bread Book Reader Objective 29: Understands the properties of and the relationships among multiplication and division.

Patterns and Relations

PRESCRIBED LEARNING OUTCOME

B4.

Identify and explain mathematical relationships using charts and diagrams to solve problems CN, PS, R, V]

Correlated Lessons:

Olympic Technology Reader; Hosting the Olympic Summer Games Reader Objective 49: Uses a variety of strategies to understand problem situations (e.g., modeling problem with diagrams or physical objects, counting backward, identifying a pattern)

Patterns Around Us Reader; Patterns in Nature Reader Objective 35: 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

Patterns Around Us; Patterns in Nature Page 84, 89 Objective 07: Students will recognize, analyze, and extend a wide variety of numerical and shape patterns and verbalize the rules that explain them.

Patterns In Nature Reader Objective 39: Understand that a simple numerical or shape pattern can be represented in different ways (ie, geometrically or numerically; the pattern of numbers [7,14,21,28&] is equivalent to the mathematical relationship 7×9)

Patterns In Nature Reader; Looking at Maps Reader; Journeys: Land, Air, Sea Reader Objective 40: Understands that mathematicians often represent real things with abstract ideas; then work with the abstractions to learn about the things they represent

Shape and Space

PRESCRIBED LEARNING OUTCOME

C3.1.

Measurement: Demonstrate an understanding of area of regular and irregular 2-D shapes by: recognizing that area is measured in square units

Correlated Lessons:

Life in the Ocean Layers Reader Objective 56: Selects and uses appropriate units of measurement, according to type and size of unit

Life in the Ocean Layers; All About Sharks Page 180, 185 Objective 19: Students will select and use appropriate units of measurement, according to the type and size of the unit. (length, height, weight)

Statistics and Probability

PRESCRIBED LEARNING OUTCOME

D2.

Data Analysis: Construct and interpret pictographs and bar graphs involving many-to-one correspondence to draw conclusions [C, PS, R, V]

Correlated Lessons:

Eco-Predictions Reader; Animal Investigations Reader Objective 59: Organizes, analyzes, and displays data in simple bar graphs and frequency tables

Natural Disasters Reader; People Who Predict Reader; Patterns Around Us Reader; Eco-Predictions Reader;
Animal Investigations Objective 33: Reads, analyzes, and interprets simple bar graphs and frequency tables