Correlation of Mathematics Readers Grade 4 to the
Saskatchewan Mathematics Curriculum

Number Strand

OUTCOME
N4.1.l.
Identify the missing numbers in an ordered sequence or shown on a number line.

Correlated Lessons:
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: Under 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 X 9)

OUTCOME
N4.2.c.
Estimate sums and differences using different strategies (e.g., front-end estimation and compensation).

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.

OUTCOME
N4.2.d.
Explain the strategies used to determine a sum or difference.

Correlated Lessons:
The Bread Book Reader; The Bake Sale Reader Objective 25: Adds, subtracts, multiplies, and divides whole numbers/integers

OUTCOME
N4.3.a.
Explain the strategy used to determine a product.

Correlated Lessons:
All About Sharks Reader Objective 57: Multiplies and divides whole numbers

The Bread Book Reader; The Bake Sale Reader Objective 25: Adds, subtracts, multiplies, and divides whole numbers/ integers

The Bread Book; The Bake Sale Page 36, 41 Objective 01: Students will multiply and divide whole numbers and fractions.

OUTCOME
N4.3.b.
Explain the strategy used in a given solution to a product.

Correlated Lessons:
All About Sharks Reader Objective 57: Multiplies and divides whole numbers

The Bread Book Reader; The Bake Sale Reader Objective 25: Adds, subtracts, multiplies, and divides whole numbers/ integers

The Bread Book; The Bake Sale Page 36, 41 Objective 01: Students will multiply and divide whole numbers and fractions.

OUTCOME
N4.4.a.
Model a multiplication problem (concretely or symbolically) using the distributive property (e.g., $8 \times 365 = (8 \times 300) + (8 \times 60) + (8 \times 5)$).

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

OUTCOME
N4.4.b.
Use concrete materials, such as base ten blocks or their pictorial representations, to represent multiplication and record the process symbolically.

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)

OUTCOME
N4.4.d.
Estimate a product using a personal strategy (e.g., \(2 \times 243\) is close to or a little more than \(2 \times 200\), or close to or a little less than \(2 \times 250\)).

**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.

**OUTCOME N4.4.f.**
Solve a multiplication problem and explain the strategies or processes used.

**Correlated Lessons:**
All About Sharks Reader Objective 57: Multiplies and divides whole numbers

The Bread Book Reader; The Bake Sale Reader Objective 25: Adds, subtracts, multiplies, and divides whole numbers/integers

The Bread Book; The Bake Sale Page 36, 41 Objective 01: Students will multiply and divide whole numbers and fractions.

**OUTCOME N4.5.c.**
Solve a division problem using a personal strategy and record the process symbolically.

**Correlated Lessons:**
All About Sharks Reader Objective 57: Multiplies and divides whole numbers

The Bread Book Reader; The Bake Sale Reader Objective 25: Adds, subtracts, multiplies, and divides whole numbers/integers

The Bread Book; The Bake Sale Page 36, 41 Objective 01: Students will multiply and divide whole numbers and fractions.

**OUTCOME N4.5.e.**
Estimate a quotient using a personal strategy (e.g., \(86/4\) is close to \(80/4\) or close to \(80/5\)).

**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.
OUTCOME
N4.5.g.
Explain, using examples, the relationship between division and multiplication.

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

OUTCOME
N4.8.c.
Determine the approximate solution of a problem not requiring an exact answer.

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.

Patterns and Relations Strand

OUTCOME
P4.2.c.
Identify the unknown in a story problem, represent the problem with an equation, and solve the problem concretely, pictorially, or symbolically.

Correlated Lessons:
Life in the Ocean Layers Reader; All About Sharks Reader Objective 53: Solves real-world problems involving number operations (e.g., computations with units of measurement)

Olympic Technology Reader; Hosting the Olympic Summer Games Reader Objective 51: Solves real-world problems involving number operations--addition and subtraction (e.g., determines elapsed time and timed races)

The Bread Book Reader; The Bake Sale Reader Objective 27: Solves real-world problems involving number operations--multiplication/division (e.g., computations with money, computations with recipes, computations with manufacturing and service business)

Shape and Space Strand

OUTCOME
SS4.2.e.
Determine which standard square unit is represented by a referent.

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)

OUTCOME
SS4.4.a.
Identify the characteristics of given symmetrical and non-symmetrical 2-D shapes.

Correlated Lessons:
Objective 46: Knows basic geometric language/properties for describing, classifying, and naming shapes (e.g., pentagon, square, circle, triangle, diamond)

Statistics and Probability Strand

OUTCOME
SP4.1.a.
Compare graphs in which different correspondences are used and explain why the correspondence may have been used.

Correlated Lessons:
Animal Investigations Reader Objective 60: Understands that data comes in many different forms and that collecting, organizing, and displaying data can be done in several ways

Eco-Predictions; Animal Investigations Page 204, 209 Objective 22: Students will understand that data comes in many different forms and that collecting, organizing, analyzing, and displaying data can be done in many ways.

OUTCOME
SP4.1.d.
Find examples of graphs in which a many-to-one correspondence is used in print and electronic media, such as newspapers, magazines, and the Internet, and describe the correspondence used.

Correlated Lessons:
Natural Disasters Reader; People Who Predict Reader; Eco-Predictions Reader; Animal Investigations Reader Objective 32: Understands that data represent specific pieces of information about real-world objects or activities

OUTCOME
SP4.1.g.
Create and label (with axes and title) a bar graph to display a set of data using a many-to-one correspondence, and justify the choice of correspondence used.

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

SP4.1.h.
Answer a question using a graph in which data are displayed using a many-to-one correspondence.

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