

Correlation of Mathematics Readers Kindergarten to the Alberta Mathematics Program of Studies

Number: Develop number sense.

OUTCOME

K.1.1.

Say the number sequence 1 to 10 by 1s, starting anywhere from 1 to 10 and from 10 to 1. [C, CN, V]

Correlated Lessons:

The Pet Store, The Toy Store Page 36, 41: Objective 1: Students will count objects with one-to-one correspondence.

The Pet Store, The Toy Store Page Reader: Objective 18: Students will count by ones to ten or higher.

OUTCOME

K.1.3.

Relate a numeral, 1 to 10, to its respective quantity. [CN, R, V]

Correlated Lessons:

At the Pond, In the Garden, Recess Time, Games Are Fun Page Reader: Objective 22: Students will use whole number models (e.g., pattern blocks, tiles, or other manipulative materials) to represent problems.

The Pet Store, The Toy Store, At the Pond, In the Garden, At the Playground, Fun in the Sun Page Reader: Objective 20: Students will understand symbolic, concrete, and pictorial representations of numbers.

The Pet Store, The Toy Store, At the Pond, In the Garden, At the Playground, Fun in the Sun, The Snack Shop, The Bakery Page Reader: Objective 19: Students will understand that numerals are symbols used to represent quantities or attributes.

The Snack Shop, The Bakery Page Reader: Objective 21: Students will understand symbolic, concrete, and pictorial representations of numbers (e.g., written numerals, objects in sets, number lines).

The Snack Shop, The Bakery Page Reader: Objective 25: Students will draw pictures to represent problems.

OUTCOME

K.1.4.

Represent and describe numbers 2 to 10, concretely and pictorially. [C, CN, ME, R, V]

Correlated Lessons:

At the Pond, In the Garden, Recess Time, Games Are Fun Page Reader: Objective 22: Students will use whole number models (e.g., pattern blocks, tiles, or other manipulative materials) to represent problems.

The Pet Store, The Toy Store, At the Pond, In the Garden, At the Playground, Fun in the Sun Page Reader:

Objective 20: Students will understand symbolic, concrete, and pictorial representations of numbers.

The Pet Store, The Toy Store, At the Pond, In the Garden, At the Playground, Fun in the Sun, The Snack Shop, The Bakery Page Reader: Objective 19: Students will understand that numerals are symbols used to represent quantities or attributes.

The Snack Shop, The Bakery Page Reader: Objective 21: Students will understand symbolic, concrete, and pictorial representations of numbers (e.g., written numerals, objects in sets, number lines).

The Snack Shop, The Bakery Page Reader: Objective 25: Students will draw pictures to represent problems.

OUTCOME

K.1.5.

Compare quantities 1 to 10, using one-to-one correspondence. [C, CN, V]

Correlated Lessons:

At the Pond, In the Garden Page 60, 65: Objective 4: Students will count to compare the number of objects in two groups.

At the Pond, In the Garden Page Reader: Objective 23: Students know the common language for comparing quantity of objects (e.g., "more than," "less than," "same as.")

Patterns and Relations (Patterns): Use patterns to describe the world and to solve problems.

OUTCOME

K.2.1.

Patterns: Demonstrate an understanding of repeating patterns (two or three elements) by: identifying; reproducing; extending; creating patterns using manipulatives, sounds and actions. [C, CN, PS, V] [ICT: P2-1.1]

Correlated Lessons:

Recess Time, Games Are Fun Page 132, 137: Objective 10: Students will recognize, describe, and extend patterns.

OUTCOME

K.2.2.

Patterns: Sort a set of objects based on a single attribute, and explain the sorting rule. [C, CN, PS, R, V]

Correlated Lessons:

Around Town, Around Home, Farm Animals, Wild Animals Page Reader: Objective 28: Students will sort and group objects by attributes (e.g., shape, size, color)

Farm Animals, Wild Animals, In the Garden, The Snack Shop, The Bakery Page 204, 209, 65, 108, 113: Objective 16: Students will classify and sort objects

Shape and Space (Measurement): Use direct and indirect measurement to solve problems.

OUTCOME

K.3.1.

Use direct comparison to compare two objects based on a single attribute, such as length (height), mass (weight) and volume (capacity). [C, CN, PS, R, V]

Correlated Lessons:

After School, At School Page Reader: Objective 29: Students will know the common language of measurement (e.g., "big," "little," "long," "short," "light," "heavy")

Shape and Space (3-D Objects and 2-D Shapes): Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.

OUTCOME

K.4.2.

Sort 3-D objects, using a single attribute. [C, CN, PS, R, V]

Correlated Lessons:

Around Town, Around Home, Farm Animals, Wild Animals Page Reader: Objective 28: Students will sort and group objects by attributes (e.g., shape, size, color)

Farm Animals, Wild Animals, In the Garden, The Snack Shop, The Bakery Page 204, 209, 65, 108, 113: Objective 16: Students will classify and sort objects