

Correlation of Mathematics Readers Grade 6 to the Saskatchewan Mathematics Curriculum

Number

OUTCOME

N6.3.

Demonstrate understanding of the order of operations on whole numbers (excluding exponents) with and without technology. [CN, ME, PS, T]

Correlated Lessons:

Watch It Grow, Where Germs Lurk Page Reader: Objective 37 Students understand the correct order of operations for performing arithmetic computations

OUTCOME

N6.4.

Extend understanding of multiplication and division to decimals (1-digit whole number multipliers and 1-digit natural number divisors). [C, CN, ME, PS, R]

Correlated Lessons:

Watch It Grow, Where Germs Lurk, Land Animals, Sea Creatures, A Sense of Art, Landscape by Design, Package Design, Pack It Up Page Reader: Objective 35 Students add, subtract, multiply, and divide integers, and rational numbers

What Did I Eat?, How Do They Make That? Page 60, 65: Objective 4 Students will apply and extend previous understandings of addition, subtraction, multiplication, and division of rational numbers,

OUTCOME

N6.8.

Demonstrate an understanding of ratio concretely, pictorially, and symbolically. [C, CN, PS, R, V]

Correlated Lessons:

On the Road, Our New Car Page 36, 41: Objective 1 Students will use ratio language to describe relationships and solve real-world problems including rates and percent.

On the Road, Our New Car Page Reader: Objective 27 Students understand the concepts of ratio, proportion, and percent and the relationships among them

On the Road, Our New Car Page Reader: Objective 28 Students use proportional reasoning to solve mathematical and real-world problems (e.g., involving equivalent fractions, equal ratios, constant rate of change, proportions, percents)

Patterns and Relationships

OUTCOME

P6.3.

Extend understanding of patterns and relationships by using expressions and equations involving variables. [C, CN, R]

Correlated Lessons:

Land Animals, Sea Creatures Page 108, 113: Objective 10 Students will write and solve equations and inequalities.

Watch It Grow, Where Germs Lurk Page 84, 89: Objective 7 Students will write, simplify, and evaluate linear and exponential expressions.

Watch It Grow, Where Germs Lurk Page Reader: Objective 38 Students know that an expression is a mathematical statement using numbers and symbols to represent relationships and real-world situations

Shape and Space

OUTCOME

SS6.2.

Extend and apply understanding of perimeter of polygons, area of rectangles, and volume of right rectangular prisms (concretely, pictorially, and symbolically) including: relating area to volume; comparing perimeter and area; comparing area and volume; generalizing strategies and formulae; analyzing the effect of orientation; solving situational questions. [CN, PS, R, V]

Correlated Lessons:

A Sense of Art, Landscape by Design Page 132, 137: Objective 13 Students will find the perimeter and area of polygons and circles in mathematical and real-world contexts.

A Sense of Art, Landscape by Design Page Reader: Objective 43 Students solve problems involving perimeter (circumference) and area of various shapes

A Sense of Art, Landscape by Design, Package Design, Pack It Up Page Reader: Objective 44 Students understand formulas for finding measures (e.g., area, volume, surface area)

Package Design, Pack It Up Page 156, 161: Objective 16 Students will find the surface area and volume of rectangular prisms and cylinders.

OUTCOME

SS6.3.

Demonstrate understanding of regular and irregular polygons including: classifying types of triangles; comparing side lengths; comparing angle measures; differentiating between regular and irregular polygons; analyzing for congruence. [C, CN, R, V]

Correlated Lessons:

On the Road, Our New Car Page Reader: Objective 31 Students understand the mathematical concepts of similarity (e.g., scale, proportion, growth rates) and congruency

OUTCOME

SS6.5.

Demonstrate understanding of single, and combinations of, transformations of 2-D shapes (with and without the use of technology) including: identifying; describing; performing. [C, CN, R, T, V]

Correlated Lessons:

On the Road, Our New Car Page Reader: Objective 31 Students understand the mathematical concepts of similarity (e.g., scale, proportion, growth rates) and congruency

Statistics and Probability

OUTCOME

SP6.1.

Extend understanding of data analysis to include: line graphs; graphs of discrete data; data collection through questionnaires, experiments, databases, and electronic media; interpolation and extrapolation. [C, CN, PS, R, V, T]

Correlated Lessons:

Hurricane Hunters, Tornado Chasers, Tonight's Concert, Battle of the Bands Page Reader: Objective 49 Students read and interpret data in charts, tables, and plots