

Correlation of Mathematics Readers Grade 1 to the Ontario Mathematics Curriculum

Number Sense and Numeration

OVERALL EXPECTATION

A.2.

Students will demonstrate an understanding of magnitude by counting forward to 100 and backwards from 20.

Correlated Lessons:

Celebrate 100 Days, Party Time, A Year in Our Lives, A Day in Our Lives Page 36,41 Objective 1 Students count whole numbers (i.e., both cardinal and ordinal numbers)

SPECIFIC EXPECTATION

A.3.

Students will solve problems involving the addition and subtraction of single-digit whole numbers, using a variety of strategies.

Correlated Lessons:

Shopping in the City, Let's Play Page 84,89 Objective 7 Students subtract whole numbers

SPECIFIC EXPECTATION

A.2.2.

Count forward by 1's, 2's, 5's, and 10's to 100, using a variety of tools and strategies;

Correlated Lessons:

Celebrate 100 Days, Party Time, A Year in Our Lives, A Day in Our Lives Page 36,41 Objective 1 Students count whole numbers (i.e., both cardinal and ordinal numbers)

SPECIFIC EXPECTATION

A.2.5.

Use ordinal numbers to thirty-first in meaningful contexts.

Correlated Lessons:

Celebrate 100 Days, Party Time, A Year in Our Lives, A Day in Our Lives Page 36,41 Objective 1 Students count whole numbers (i.e., both cardinal and ordinal numbers)

SPECIFIC EXPECTATION

A.3.1.

Solve a variety of problems involving the addition and subtraction of whole numbers to 20, using concrete materials and drawings;

Correlated Lessons:

Music Around the World, Crafty Kids, Day at the Zoo, Night at the Community Center Page Reader Objective 31 Students use whole number models (e.g., pattern blocks, tiles, or other manipulative materials) to represent problems

SPECIFIC EXPECTATION

A.3.2.

Solve problems involving the addition and subtraction of single-digit whole numbers, using a variety of mental strategies;

Correlated Lessons:

Shopping in the City, Let's Play Page 84,89 Objective 7 Students subtract whole numbers

Measurement

OVERALL EXPECTATION

B.1.

Students will estimate, measure, and describe length, area, mass, capacity, time, and temperature, using non-standard units of the same size.

Correlated Lessons:

Day at the Zoo, Night at the Community Center Page 180,185 Objective 18 Students knows processes for measuring length, weight, and temperature using non-standard units

Day at the Zoo, Night at the Community Center Page Reader Objective 40 Students know processes for measuring length and weight using basic, non-standard units

SPECIFIC EXPECTATION

B.2.

Students will compare, describe, and order objects, using attributes measured in non-standard units.

Correlated Lessons:

Day at the Zoo, Night at the Community Center Page 180,185 Objective 18 Students knows processes for measuring length, weight, and temperature using non-standard units

Day at the Zoo, Night at the Community Center Page Reader Objective 40 Students know processes for measuring length and weight using basic, non-standard units

SPECIFIC EXPECTATION

B.1.1.

Demonstrate an understanding of the use of non-standard units of the same size for measuring;

Correlated Lessons:

Day at the Zoo, Night at the Community Center Page 180,185 Objective 18 Students know processes for measuring length, weight, and temperature using non-standard units

Day at the Zoo, Night at the Community Center Page Reader Objective 40 Students know processes for measuring length and weight using basic, non-standard units

SPECIFIC EXPECTATION

B.1.2.

Estimate, measure (i.e., by placing nonstandard units repeatedly, without overlaps or gaps), and record lengths, heights, and distances;

Correlated Lessons:

Day at the Zoo, Night at the Community Center Page 180,185 Objective 18 Students know processes for measuring length, weight, and temperature using non-standard units

Day at the Zoo, Night at the Community Center Page Reader Objective 40 Students know processes for measuring length and weight using basic, non-standard units

SPECIFIC EXPECTATION

B.1.3.

Construct, using a variety of strategies, tools for measuring lengths, heights, and distances in non-standard units;

Correlated Lessons:

Day at the Zoo, Night at the Community Center Page 180,185 Objective 18 Students know processes for measuring length, weight, and temperature using non-standard units

Day at the Zoo, Night at the Community Center Page Reader Objective 40 Students know processes for measuring length and weight using basic, non-standard units

SPECIFIC EXPECTATION

B.1.6.

Estimate, measure, and describe the passage of time, through investigation using nonstandard units;

Correlated Lessons:

A Year in Our Lives, A Day in Our Lives Page Reader Objective 38 Students make quantitative estimates of familiar time intervals and checks them against measurements

SPECIFIC EXPECTATION

B.1.7.

Read demonstration digital and analogue clocks, and use them to identify benchmark times and to tell and write time to the hour and half-hour in everyday settings;

Correlated Lessons:

A Year in Our Lives, A Day in Our Lives Page 156,161 Objective 15 Students understand the concept of time and how it is measured

A Year in Our Lives, A Day in Our Lives Page Reader Objective 37 Students know processes for telling time using basic standard and non-standard units

A Year in Our Lives, A Day in Our Lives Page Reader Objective 38 Students make quantitative estimates of familiar time intervals and checks them against measurements

SPECIFIC EXPECTATION

B.1.9.

Relate temperature to experiences of the seasons.

Correlated Lessons:

Day at the Zoo, Night at the Community Center Page 180,185 Objective 18 Students knows processes for measuring length, weight, and temperature using non-standard units

Geometry and Spatial Sense

OVERALL EXPECTATION

C.1.

Students will identify common two-dimensional shapes and three-dimensional figures and sort and classify them by their attributes.

Correlated Lessons:

Looking for Shapes, Shaping Up Page 132,137 Objective 12 Students understand basic properties of (e.g., number of sides, corners, square corners) and similarities and differences between simple geometric shapes

SPECIFIC EXPECTATION

C.2.

Students will compose and decompose common two-dimensional shapes and three-dimensional figures.

Correlated Lessons:

Music Around the World, Crafty Kids, Looking for Shapes, Shaping Up Page Reader Objective 32 Students understand that patterns can be made by putting different shapes together or taking them apart

SPECIFIC EXPECTATION

C.1.1.

Identify and describe common two-dimensional shapes and sort and classify them by their attributes, using concrete materials and pictorial representations;

Correlated Lessons:

Looking for Shapes, Shaping Up Page 132,137 Objective 12 Students understand basic properties of (e.g., number of sides, corners, square corners) and similarities and differences between simple geometric shapes

Music Around the World, Crafty Kids, Looking for Shapes, Shaping Up Page Reader Objective 32 Students understand that patterns can be made by putting different shapes together or taking them apart

SPECIFIC EXPECTATION

C.1.4.

Describe similarities and differences between an everyday object and a three-dimensional figure;

Correlated Lessons:

Looking for Shapes, Shaping Up Page Reader Objective 34 Students understand that geometric shapes are useful for representing and describing real world situations

SPECIFIC EXPECTATION

C.2.1.

Compose patterns, pictures, and designs, using common two-dimensional shapes (Sample problem: Create a picture of a flower using pattern blocks.);

Correlated Lessons:

Looking for Shapes, Shaping Up Page Reader Objective 36 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids Page 108,113 Objective 10 Students extend simple patterns (e.g., of numbers, physical objects, geometric shapes)

Music Around the World, Crafty Kids Page Reader Objective 30 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids, Looking for Shapes, Shaping Up Page Reader Objective 32 Students understand that patterns can be made by putting different shapes together or taking them apart

SPECIFIC EXPECTATION

C.2.2.

Identify and describe shapes within other shapes;

Correlated Lessons:

Music Around the World, Crafty Kids, Looking for Shapes, Shaping Up Page Reader Objective 32 Students understand that patterns can be made by putting different shapes together or taking them apart

Patterning

OVERALL EXPECTATION

D.1.

Students will identify, describe, extend, and create repeating patterns.

Correlated Lessons:

Looking for Shapes, Shaping Up Page Reader Objective 36 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids Page 108,113 Objective 10 Students extend simple patterns (e.g., of numbers, physical objects, geometric shapes)

Music Around the World, Crafty Kids Page Reader Objective 30 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids, Looking for Shapes, Shaping Up Page Reader Objective 32 Students understand that patterns can be made by putting different shapes together or taking them apart

SPECIFIC EXPECTATION

D.2.

Students will demonstrate an understanding of the concept of equality, using concrete materials and addition and subtraction to 10.

Correlated Lessons:

Music Around the World, Crafty Kids, Day at the Zoo, Night at the Community Center Page Reader Objective 31 Students use whole number models (e.g., pattern blocks, tiles, or other manipulative materials) to represent problems

SPECIFIC EXPECTATION

D.1.1.

Identify, describe, and extend, through investigation, geometric repeating patterns involving one attribute;

Correlated Lessons:

Looking for Shapes, Shaping Up Page Reader Objective 36 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids Page 108,113 Objective 10 Students extend simple patterns (e.g., of numbers, physical objects, geometric shapes)

Music Around the World, Crafty Kids Page Reader Objective 30 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids, Looking for Shapes, Shaping Up Page Reader Objective 32 Students understand that patterns can be made by putting different shapes together or taking them apart

SPECIFIC EXPECTATION

D.1.2.

Identify and extend, through investigation, numeric repeating patterns;

Correlated Lessons:

Celebrate 100 Days, Party Time Page Reader Objective 26 Students extend simple patterns (e.g., of numbers)

Looking for Shapes, Shaping Up Page Reader Objective 36 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids Page 108,113 Objective 10 Students extend simple patterns (e.g., of numbers, physical objects, geometric shapes)

Music Around the World, Crafty Kids Page Reader Objective 30 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

SPECIFIC EXPECTATION

D.1.3.

Describe numeric repeating patterns in a hundreds chart;

Correlated Lessons:

Celebrate 100 Days, Party Time Page Reader Objective 26 Students extend simple patterns (e.g., of numbers)

Looking for Shapes, Shaping Up Page Reader Objective 36 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids Page 108,113 Objective 10 Students extend simple patterns (e.g., of numbers, physical objects, geometric shapes)

Music Around the World, Crafty Kids Page Reader Objective 30 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

SPECIFIC EXPECTATION

D.1.5.

Create a repeating pattern involving one attribute;

Correlated Lessons:

Celebrate 100 Days, Party Time Page Reader Objective 26 Students extend simple patterns (e.g., of numbers)

Looking for Shapes, Shaping Up Page Reader Objective 36 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids Page 108,113 Objective 10 Students extend simple patterns (e.g., of numbers, physical objects, geometric shapes)

Music Around the World, Crafty Kids Page Reader Objective 30 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids, Looking for Shapes, Shaping Up Page Reader Objective 32 Students understand that patterns can be made by putting different shapes together or taking them apart

Data Management and Probability

OVERALL EXPECTATION

E.1.

Students will collect and organize categorical primary data and display the data using concrete graphs and pictographs, without regard to the order of labels on the horizontal axis.

Correlated Lessons:

Main Street Animal Shelter, Our Favorites Page 204,209 Objective 21 Students will understand how to read and write the various types of graphs, as well as determine which types of graphs are appropriate to use for different situations.

SPECIFIC EXPECTATION

E.2.

Students will read and describe primary data presented in concrete graphs and pictographs.

Correlated Lessons:

Main Street Animal Shelter, Our Favorites Page 204,209 Objective 21 Students will understand how to read and write the various types of graphs, as well as determine which types of graphs are appropriate to use for different situations.

SPECIFIC EXPECTATION

E.1.2.

Collect and organize primary data that is categorical, and display the data using one-to-one correspondence, prepared templates of concrete graphs and pictographs (with titles and labels), and a variety of recording methods.

Correlated Lessons:

Main Street Animal Shelter, Our Favorites Page 204,209 Objective 21 Students will understand how to read and write the various types of graphs, as well as determine which types of graphs are appropriate to use for different situations.

SPECIFIC EXPECTATION

E.2.1.

Read primary data presented in concrete graphs and pictographs, and describe the data using comparative language;

Correlated Lessons:

Main Street Animal Shelter, Our Favorites Page 204,209 Objective 21 Students will understand how to read and write the various types of graphs, as well as determine which types of graphs are appropriate to use for different situations.

SPECIFIC EXPECTATION

E.2.2.

Pose and answer questions about collected data.

Correlated Lessons:

Main Street Animal Shelter, Our Favorites Page 204,209 Objective 21 Students will understand how to read and write the various types of graphs, as well as determine which types of graphs are appropriate to use for different situations.

Music Around the World, Crafty Kids, Main Street Animal Shelter, Our Favorites Page Reader Objective 33 Students collect and represent information about objects or events in simple graphs