

Mathletics

Ontario Curriculum (2026)

Activities (Courses) and Skill Quests



Grades K-2

April, 2026

Mathletics

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April, 2026

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Kindergarten

A6 Number Sense and Operations

Use numbers and operations

A6.1

explore what numbers are used for

Activities

Teacher directed

A6.2

understand when counting forward, the quantity gets bigger and when counting backward, the quantity gets smaller

Activities

Teacher directed

A6.3

identify and write numbers to 20

Activities

Numbers to 20

Count to 5

How Many?

A6.4

subitize quantities to 5

Activities

Numbers to 20

Dot Display

A6.5

compose and decompose quantities to 10

Activities

Numbers to 20

Adding to Make 5 and 10

A6.6

understand the concept of more than, the same (equal), or less than

Activities

Numbers to 20

More, Less or the Same to 10

More, Less or the Same to 20

A6.7

estimate the number of objects in small collections and check by counting

 **Activities**

Teacher directed

A6.8

count to 20 by 1s, starting from any number

 **Activities**

Numbers to 20

Order Numbers to 10

Order Numbers to 20

Before, After and Between to 20

Counting Up to 20

A6.9

solve equal-share problems using concrete materials

 **Activities**

Equal-share problems

Share the Treasure

Dividing Twos

A6.10

describe relationships between any two numbers from 0 to 20

 **Activities**

Numbers to 20

Adding to Make 5 and 10

More, Less or the Same to 10

More, Less or the Same to 20

A6.11

recall addition facts to 5 and related subtraction facts

 **Activities**

Addition & subtraction

Adding to 5

Subtracting From 5

A6.12

solve situations involving addition and subtraction to 10 using concrete materials

 **Activities**

Addition & subtraction

Adding to Ten

Model Addition

Model Subtraction

Adding to 10 Word Problems

A6.13


identify and explore the value of Canadian coins to 25¢ and coins and bills to \$10


 **Activities**


Teacher directed


A7 Patterns and Relationships

Investigate repeating patterns

A7.1 identify, describe, and create patterns
 Activities
Teacher directed


A7.2 identify the core of a repeating pattern and describe why it is important
 Activities
Teacher directed


A7.3 show that patterns can be represented in different ways because the core remains the same
 Activities
Teacher directed

A7.4 extend patterns in both directions and identify any missing elements	
 Activities	
Patterns	Complete the Pattern
	Simple Patterns
	Missing it!
	Colour Patterns

A8 Data Literacy and Probability

Collect and display data to answer questions and communicate information, and explore probability in everyday contexts

A8.1 sort objects or data using one attribute
 Activities
Teacher directed

A8.2 collect and record data to answer questions of interest, and display it in concrete graphs or picture graphs
 Activities
Teacher directed

A8.3

respond to data in concrete graphs and picture graphs by interpreting it and drawing conclusions

Activities

Data

Picture Graphs: More or Less

Picture Graphs: single-unit scale

A8.4

describe how likely familiar events are to happen

Activities

Teacher directed

A9 Geometric and Spatial Reasoning

Describe two-dimensional shapes and three-dimensional objects, and the location and movement of people and objects

A9.1

identify, sort, and compare the most common two-dimensional shapes, including circle, hexagon, rhombus, and trapezoid

Activities

Geometric & spatial reasoning

Collect the Shapes

Count Sides and Corners

A9.2

identify, sort, and compare the most common three-dimensional objects, including cube, sphere, prisms, cone, and pyramid

Activities

Geometric & spatial reasoning

Collect the Objects 1

A9.3

in structures they have made, identify three-dimensional objects and two-dimensional shapes

Activities

Geometric & spatial reasoning

Relate Shapes and Solids

A9.4

construct two-dimensional pictures and three-dimensional structures with matching halves

Activities

Teacher directed

A9.5

put two-dimensional shapes together to make other shapes, break them into smaller shapes, and put them together in different ways

Activities

Teacher directed

A9.6

describe basic spatial relationships and movements, and visualize objects from different perspectives

Activities

Geometric & spatial reasoning

Left or Right?

Where is it?

A9.7

give and follow directions for moving from one location to another

Activities

Teacher directed

A10 Measurement

Describe and compare the length, area, mass, or capacity of a variety of objects

A10.1

describe different ways that objects can be measured

Activities

Measurement

Everyday Length

Compare Length

Bigger or Smaller Shape

Everyday Mass

Which Holds More?

A10.2

compare the length, area, mass, and capacity of objects using concrete materials

Activities

Measurement

Everyday Length

Compare Length

Bigger or Smaller Shape

Everyday Mass

Which Holds More?

Filling Fast!

B11 Coding Skills

Use foundational coding concepts and skills

B11.1

use directional and positional language to create and follow instructions involving movement

Activities

Coding skills

Following Directions

B11.2
test and refine instructions

 **Activities**

Teacher directed

B11.3
communicate and record step-by-step instructions using symbols, words, or pictures

 **Activities**

Teacher directed

Grade 1

B Number

B1 Number Sense: Whole numbers

1.B1.1

read and represent whole numbers up to and including 50, and describe various ways they are used in everyday life

Activities

B1 Whole Numbers

Matching Numbers to 10

Making Teen Numbers

1st to 31st

Reading Numbers to 30

Making Numbers Count

Ordinal Numbers

Skill Quests

Read and represent whole numbers to 50

Connect number names, numerals & collections to 50

1.B1.2

compose and decompose whole numbers up to and including 50, using a variety of tools and strategies, in various contexts

Activities

Teacher directed

Skill Quests

Compose and decompose numbers to 50

Decomposing 2-digit numbers to 50

Non-standard decomposition: 2-digit numbers to 50

1.B1.3

compare and order whole numbers up to and including 50, in various contexts

Activities

B1 Whole Numbers

Compare Numbers to 20

Order Numbers to 20

1 to 30

Compare Numbers to 50

Skill Quests

Compare and order whole numbers to 50

Comparing collections and numerals to 50

Ordering collections and numerals to 50

1.B1.4

estimate the number of objects in collections of up to 50, and verify their estimates by counting

Activities

Teacher directed

Skill Quests

Teacher directed

1.B1.5

count to 50 by 1s, 2s, 5s, and 10s, using a variety of tools and strategies

Activities

B1 Whole Numbers

Counting Up to 20

Counting Back Within 20

Before, After and Between to 20

Make Numbers Count

Counting Backward

Counting Forward

Count by Twos

Count by Fives

Count by Tens

How Many Dots?

Skill Quests

Count to 50

Counting by 1s to 50, forward and backward

Counting by 2s to 50, forward and backward

Counting by 5s to 50, forward and backward

Counting by 10s to 50, forward and backward

Counting by 2s, 5s, 10s to 50

B1 Number Sense: Fractions

1.B1.6

use drawings to represent and solve fair-share problems that involve 2 and 4 sharers, respectively, and have remainders of 1 or 2

Activities

B1 Fractions

Making Equal Groups

Dividing Twos

Dividing Fours

Skill Quests

Fair-share problems, 2 and 4 sharers

Solving fair-share problems, 2 and 4 sharers

1.B1.7

recognize that one half and two fourths of the same whole are equal, in fair-sharing contexts

Activities

B1 Fractions

Is it Half?

Halves and Fourths

Skill Quests


Equivalence, one half and two fourths

Introducing the concept of half



1.B1.8

use drawings to compare and order unit fractions representing the individual portions that result when a whole is shared by different numbers of sharers, up to a maximum of 10



Activities

B1 Fractions	Shade Fractions
 Skill Quests	
Compare and order unit fractions	Comparing and ordering unit fractions with models


B2 Operations: Properties and Relationship

1.B2.1	
use the properties of addition and subtraction, and the relationship between addition and subtraction, to solve problems and check calculations	
 Activities	
B2 Addition & Subtraction	Adding In Any Order
	Add 3 Single Digit Numbers
 Skill Quests	
Add/subtract properties & relationship	Introducing the commutative property of addition
	Fact families: addition/subtraction, within 30
	Fact families: addition/subtraction, within 30

B2 Operations: Math Facts

1.B2.2	
recall and demonstrate addition facts for numbers up to 10, and related subtraction facts	
 Activities	
B2 Addition & Subtraction	Adding to Make 5 and 10
	Adding to Ten
	Model Subtraction
	Subtracting from Ten
B2 Multiplication & Division	Doubles and Halves to 10
 Skill Quests	
Addition/subtraction facts to 10	Recognizing and recalling bonds to 10
	Adding and subtracting within 10 fluently
	Modelling and recording combinations to 5
	Modelling and recording combinations to 6
	Modelling and recording combinations to 7
	Modelling and recording combinations to 8
Modelling and recording combinations to 9	

B2 Operations: Mental Math

1.B2.3	
use mental math strategies, including estimation, to add and subtract whole numbers that add up to no more than 20, and explain the strategies used	
 Activities	
B2 Addition & Subtraction	Addition Facts
	All about Twenty
	Add 3 Single Digit Numbers

	Doubles and Near Doubles
	Additive Addition
	Subtraction Facts to 18
	Subtracting from 20
	Adding to 10 Word Problems
👑 Skill Quests	
Mental math: add/subtract to 20	Mental strategies: addition and subtraction to 18

B2 Operations: Addition and Subtraction

1.B2.4	
use objects, diagrams, and equations to represent, describe, and solve situations involving addition and subtraction of whole numbers that add up to no more than 50	
📋 Activities	
B2 Addition & Subtraction	Adding to Make 5 and 10
	Adding to Ten
	Addition Facts
	All about Twenty
	Doubles and Near Doubles
	Subtracting from Ten
	Subtraction Facts to 18
Adding to 10 Word Problems	
👑 Skill Quests	
Add and subtract to 50	Bridging to ten to add, models
	Adding doubles or near doubles
	Adding using compatible numbers
	Adding 2-digit and 1-digit numbers, place value
	Bridging to ten to subtract, models
	Subtracting using doubles
	Addition and subtraction word problems within 20

B2 Operations: Multiplication and Division



1.B2.5	
represent and solve equal-group problems where the total number of items is no more than 10, including problems in which each group is a half, using tools and drawings	
📋 Activities	
B2 Multiplication & Division	Doubles and Halves to 10
👑 Skill Quests	
Represent and solve equal-group problems	Representing and solving equal-group problems



C Algebra



C1 Patterns and Relationships: Patterns

1.C1.1	
identify and describe the regularities in a variety of patterns, including patterns found in real-life contexts	



 Activities	
Teacher directed	
 Skill Quests	
Identify and describe patterns	Identifying & describing repeating patterns
	Recognizing repeating patterns

1.C1.2	
create and translate patterns using movements, sounds, objects, shapes, letters, and numbers	
 Activities	
Teacher directed	
 Skill Quests	
Create patterns	Creating repeating patterns



1.C1.3	
determine pattern rules and use them to extend patterns, make and justify predictions, and identify missing elements in patterns	
 Activities	
C1 Patterns & Relationships	Complete the Pattern
	Simple Patterns
	Missing it!
	Color Patterns
	Pattern Error
 Skill Quests	
Patterns: extend, predict, identify	Extending a simple repeating pattern
	Identifying errors & missing elements in patterns



1.C1.4	
create and describe patterns to illustrate relationships among whole numbers up to 50	
 Activities	
Teacher directed	
 Skill Quests	
Create/describe patterns, numbers to 50	Copy/extend additive & subtractive number patterns

C2 Equations and Inequalities: Variables



1.C2.1	
identify quantities that can change and quantities that always remain the same in real-life contexts	
 Activities	
Teacher directed	
 Skill Quests	
Teacher directed	



C2 Equations and Inequalities: Equalities and Inequalities

1.C2.2 determine whether given pairs of addition and subtraction expressions are equivalent or not	
 Activities	
C2 Equalities & Inequalities	Composing Numbers to 10
	Composing Numbers to 20
 Skill Quests	
Equivalence: addition and subtraction	Recognizing equality in addition and subtraction

1.C2.3 identify and use equivalent relationships for whole numbers up to 50, in various contexts	
 Activities	
C2 Equalities & Inequalities	Composing Numbers to 10
	Composing Numbers to 20
 Skill Quests	
Identify & use equivalent relationships	Recognize the concept of equality, numbers to 50

C3 Coding: Coding Skills



1.C3.1 solve problems and create computational representations of mathematical situations by writing and executing code, including code that involves sequential events	
 Activities	
Teacher directed	
 Skill Quests	
Write/execute code: sequential events	Write/execute code: sequential events

1.C3.2 read and alter existing code, including code that involves sequential events, and describe how changes to the code affect the outcomes	
 Activities	
Teacher directed	
 Skill Quests	
Read/alter code: sequential events	Read/alter code: sequential events

D Data



D1 Data Literacy: Data Collection and Organization

1.D1.1 sort sets of data about people or things according to one attribute, and describe rules used for sorting	
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 Activities	
D1 Data	Add and Subtract Using Graphs
	Sort It
 Skill Quests	
Sorting sets of data	Grouping simple data using 1 attribute

1.D1.2

collect data through observations, experiments, and interviews to answer questions of interest that focus on a single piece of information; record the data using methods of their choice; and organize the data in tally tables

 Activities	
D1 Data	Tallies
 Skill Quests	
Data collection and recording	Asking simple questions to gather data

D1 Data Literacy: Data Visualization

1.D1.3



display sets of data, using one-to-one correspondence, in concrete graphs and pictographs with proper sources, titles, and labels

 Activities	
Teacher directed	
 Skill Quests	
Represent data using simple displays	Representing data using simple displays

D1 Data Literacy: Data Analysis



1.D1.4

order categories of data from greatest to least frequency for various data sets displayed in tally tables, concrete graphs, and pictographs

 Activities	
Teacher directed	
 Skill Quests	
Order category data	Ordering category data

1.D1.5

analyse different sets of data presented in various ways, including in tally tables, concrete graphs, and pictographs, by asking and answering questions about the data and drawing conclusions, then make convincing arguments and informed decisions

 Activities	
D1 Data	Analyzing Data
	Picture Graphs: More or Less
	Comparing Groups of Objects
	Picture Graphs: single-unit scale
	Make graphs
 Skill Quests	
Interpret basic data displays	Interpreting basic data displays

D2 Probability

1.D2.1

use mathematical language, including the terms “impossible”, “possible”, and “certain”, to describe the likelihood of events happening, and use that likelihood to make predictions and informed decisions

Activities

D2 Probability

Will it Happen?

Skill Quests

Use the basic language of probability

Using the basic language of probability

1.D2.2

make and test predictions about the likelihood that the categories in a data set from one population will have the same frequencies in data collected from a different population of the same size

Activities

Teacher directed

Skill Quests

Teacher directed

E Spatial Sense

E1 Geometric and Spatial Reasoning: Geometric Reasoning

1.E1.1

sort three-dimensional objects and two-dimensional shapes according to one attribute at a time, and identify the sorting rule being used

Activities

E1 Geometry

Collect Simple Shapes

Collect the Shapes

Collect the Shapes 1

Count Sides and Corners

Skill Quests

Sort 3D objects and 2D shapes

Sorting 3D objects, 1 attribute

Sorting 3D objects, more than 1 attribute

Sorting basic 2D shapes, 1 attribute

Sorting basic 2D shapes, more than 1 attribute

1.E1.2

construct three-dimensional objects, and identify two-dimensional shapes contained within structures and objects

Activities




E1 Geometry

Relate Shapes and Solids



How Many Faces?



How many Edges?

How many Corners?



 Skill Quests	
Construct three-dimensional structures	Constructing three-dimensional structures
1.E1.3 construct and describe two-dimensional shapes and three-dimensional objects that have matching halves	
 Activities	
E1 Geometry	Symmetry
 Skill Quests	
Teacher directed	

E1 Geometric and Spatial Reasoning: Location and Movement



1.E1.4 describe the relative locations of objects or people, using positional language	
 Activities	
E1 Geometry	Where is it?
	Left or Right?
	Following Directions
 Skill Quests	
Describe relative locations	Describing position and movement
	Distinguishing between left and right



1.E1.5 give and follow directions for moving from one location to another	
 Activities	
E1 Geometry	Where is it?
	Left or Right?
	Following Directions
 Skill Quests	
Give and follow directions	Giving directions

E2 Measurement: Attributes

1.E2.1 identify measurable attributes of two-dimensional shapes and three-dimensional objects, including length, area, mass, capacity, and angle	
 Activities	
Teacher directed	
 Skill Quests	
Identify measurable attributes	Introducing the attribute of length
	Introducing the attribute of mass
	Introducing the attributes of volume and capacity



	Introducing the attribute of area
	Introducing angles as a measurable attribute

1.E2.2	
compare several everyday objects and order them according to length, area, mass, and capacity	
 Activities	
E2 Measurement	Everyday Length
	Comparing Length
	Balancing Objects
	Everyday Mass
	Which Holds More?
	How Full?
 Skill Quests	
Compare and order objects by attributes	Compare areas using direct comparison
	Compare/order mass of 2 objects, pan balance
	Compare/order volume and capacity, informal units
	Compare capacities, direct comparison

1.E2.3	
read the date on a calendar, and use a calendar to identify days, weeks, months, holidays, and seasons	
 Activities	
E2 Measurement	Days of the Week
	Months of the Year
	Calendar: Days and Dates
	Tomorrow and Yesterday (Scaffolded)
	Using a Calendar
 Skill Quests	
The calendar	Introducing the days of the week
	Introducing the months of the year
	Introducing the seasons
	Using calendars

F Financial Literacy

F1 Money & Finances: Money concepts

1.F1.1	
identify the various Canadian coins up to 50¢ and coins and bills up to \$50, and compare their values	
 Activities	
F1 Financial Literacy	Everyday Money
 Skill Quests	
Identifying coins and bills	Identifying coins
	Identifying bills

Grade 2

B Number

B1 Number Sense: Whole numbers

2.B1.1

read, represent, compose, and decompose whole numbers up to and including 200, using a variety of tools and strategies, and describe various ways they are used in everyday life

Activities

B1 Whole Numbers

Matching Numbers to 20

Making Big Numbers Count

Number Lines

Place Value 1

Repartition Two-digit Numbers

1 More, 2 Less

1 More, 10 Less

Skill Quests

Numbers up to 200

Reading and writing 3-digit numbers to 200

Reading and writing 2-digit numbers

Using place value to partition 2-digit numbers

Identifying place value: 2-digit numbers

Decomposing 3-digit numbers to 200

Identifying place value: 3-digit numbers to 200

Non-standard decomposition: 2-digit numbers

Non-standard decomposition: 3-digit numbers to 200

2.B1.2

compare and order whole numbers up to and including 200, in various contexts

Activities

B1 Whole Numbers

Arranging Numbers

Which is Bigger?

Which is Smaller?

Greater or Less to 100

Compare Numbers to 100

Number Line Order

Skill Quests

Compare and order numbers to 200

Comparing and ordering numbers to 200

2.B1.3

estimate the number of objects in collections of up to 200 and verify their estimates by counting

Activities

Teacher directed

Skill Quests
Teacher directed

2.B1.4
count to 200, including by 20s, 25s, and 50s, using a variety of tools and strategies

Activities	
B1 Whole Numbers	Going Up
	Going Down
	Before, After & Between to 100

Skill Quests	
Count to 200	Counting by 1s to 200, forward and backward
	Counting by 10s to 200, forward and backward
	Counting by 2s to 200, forward and backward
	Counting by 5s to 200, forward and backward
	Counting by 20s to 200, forward and backward
	Counting by 25s to 200, forward and backward
	Counting by 50s to 200, forward and backward

2.B1.5
describe what makes a number even or odd

Activities	
B1 Whole Numbers	Odd or Even
	Odd and Even Numbers 1

Skill Quests	
Odd and even numbers	Modelling odd and even number patterns up to 20

B1 Number Sense: Fractions

2.B1.6
use drawings to represent, solve, and compare the results of fair-share problems that involve sharing up to 10 items among 2, 3, 4, and 6 sharers, including problems that result in whole numbers, mixed numbers, and fractional amounts

Activities	
B1 Fractions	Halves and Fourths
	Thirds and Sixths
	Dividing Threes
	Dividing Sixes
	Make Fair Shares
	Fractions of a Collection 1

Skill Quests	
Fair-share problems: 2, 3, 4, 6 sharers	Fair-share problems with models, 2 or 4 sharers
	Fair-share problems with models, 3 sharers
	Fair-share problems with models, 6 sharers

2.B1.7

recognize that one third and two sixths of the same whole are equal, in fair-sharing contexts

Activities

Teacher directed

Skill Quests

Equivalence, one third and two sixths

Equivalence, one third and two sixths

B2 Operations: Properties and Relationship

2.B2.1

use the properties of addition and subtraction, and the relationships between addition and multiplication and between subtraction and division, to solve problems and check calculations

Activities

B2 Addition & Subtraction to 100

Related Facts 1

Skill Quests

Properties and operational relationships

Using the commutative property of addition to 20

Using repeated addition to multiply

Using repeated subtraction to divide

B2 Operations: Math Facts

2.B2.2

recall and demonstrate addition facts for numbers up to 20, and related subtraction facts

Activities

B2 Addition & Subtraction to 100

All about Twenty

Subtracting from 20

Addition

Simple Subtraction

Skill Quests

Addition/subtraction facts to 20

Adding and subtracting within 20 fluently

B2 Operations: Mental Math

2.B2.3

use mental math strategies, including estimation, to add and subtract whole numbers that add up to no more than 50, and explain the strategies used

Activities

B2 Addition & Subtraction to 100

Addition

Add 3 Numbers Using Bonds to 10



Complements to 10, 20, 50

Simple Subtraction



Skill Quests



Mental math: add/subtract to 50	Bridging to ten to mentally add or subtract
	Using place value to mentally add numbers

B2 Operations: Addition and Subtraction

2.B2.4	
use objects, diagrams, and equations to represent, describe, and solve situations involving addition and subtraction of whole numbers that add up to no more than 100	
 Activities	
B2 Addition & Subtraction to 100	Model Addition
	Add and Subtract Problems
	Subtract Tens
	Decompose Numbers to Subtract
	Bar Model Problems 1
	Bar Model Problems 2
	Add 3 Numbers: Bonds to Multiples of 10
 Skill Quests	
Add and subtract to 100	Add/subtract numbers using efficient strategies
	Add 2-digit numbers, number line
	Subtract 2-digit numbers, number line
	Add tens to a 2-digit number, models



B2 Operations: Multiplication and Division



2.B2.5	
represent multiplication as repeated equal groups, including groups of one half and one fourth, and solve related problems, using various tools and drawings	
 Activities	
B2 Multiplication & Division	Groups
	Multiplication Arrays
 Skill Quests	
Multiplication as repeated equal groups	Use repeated addition with arrays (2, 5, 10)
	Connect multiplication, arrays, repeated addition
	Repeated addition with one half and one fourth



2.B2.6	
represent division of up to 12 items as the equal sharing of a quantity, and solve related problems, using various tools and drawings	
 Activities	
B2 Multiplication & Division	Making Equal Groups
	Fill the Jars
	Divide Into Equal Groups
 Skill Quests	
Represent division up to 12	Sharing objects to divide up to 12, models


C Algebra


C1 Patterns and Relationships: Patterns

2.C1.1	
identify and describe a variety of patterns involving geometric designs, including patterns found in real-life contexts	
 Activities	
Teacher directed	
 Skill Quests	
Identify/describe geometric patterns	Exploring visual patterns
	Exploring simple patterns with transformations



2.C1.2	
create and translate patterns using various representations, including shapes and numbers	
 Activities	
Teacher directed	
 Skill Quests	
Create patterns with shapes and numbers	Create repeating shape patterns
	Identify/extend/describe repeating number patterns

2.C1.3	
determine pattern rules and use them to extend patterns, make and justify predictions, and identify missing elements in patterns represented with shapes and numbers	
 Activities	
C1 Patterns	Count by Twos
	Count by Fives
	Count by Tens
	Count by 2s, 5s and 10s
	Counting on a 100 grid
	Color Patterns
	Pattern Error
	Missing it!
	Count Forward Patterns
	Count Backward Patterns
 Skill Quests	
Pattern rules, repeating patterns	ID errors/missing elements, repeating patterns
	Identify the structure of repeating patterns
	Extend repeating patterns



2.C1.4	
create and describe patterns to illustrate relationships among whole numbers up to 100	
 Activities	
Teacher directed	



 Skill Quests	
Create/describe patterns, numbers to 100	Growing/shrinking/repeating number patterns to 100
	Identify and describe number patterns to 100

C2 Equations and Inequalities: Variables



2.C2.1	
identify when symbols are being used as variables, and describe how they are being used	
 Activities	
C2 Equations & Inequalities	Missing Values
 Skill Quests	
Teacher directed	

C2 Equations and Inequalities: Equalities and Inequalities

2.C2.2	
determine what needs to be added to or subtracted from addition and subtraction expressions to make them equivalent	
 Activities	
C2 Equations & Inequalities	Composing Numbers to 20
	Missing Values
	All about Ten
	Fact Families: Add and Subtract
 Skill Quests	
Explore equality, addition/subtraction	Exploring equality, addition/subtraction

2.C2.3	
identify and use equivalent relationships for whole numbers up to 100, in various contexts	
 Activities	
Teacher directed	
 Skill Quests	
Equivalent relationships to 100	Equivalent addition/subtraction relationships

C3 Coding: Coding Skills

2.C3.1	
solve problems and create computational representations of mathematical situations by writing and executing code, including code that involves sequential and concurrent events	
 Activities	
Teacher directed	
 Skill Quests	
Write code: sequential/ concurrent events	Write/execute code: sequential/concurrent events

2.C3.2

read and alter existing code, including code that involves sequential and concurrent events, and describe how changes to the code affect the outcomes

Activities

Teacher directed

Skill Quests

Read code: sequential/ concurrent events

Read/alter code: sequential/concurrent events

D Data

D1 Data Literacy: Data Collection and Organization

2.D1.1

sort sets of data about people or things according to two attributes, using tables and logic diagrams, including Venn and Carroll diagrams

Activities

Teacher directed

Skill Quests

Sort data according to 2 attributes

Introducing Venn diagrams

Introducing Carroll diagrams

Relating Carroll and Venn diagrams

Sorting data using logic diagrams

2.D1.2

collect data through observations, experiments, or interviews to answer questions of interest that focus on two pieces of information, and organize the data in two-way tally tables

Activities

Teacher directed

Skill Quests

Collect/organize data, two-way tables

Organizing data in a two-way tally table

D1 Data Literacy: Data Visualization

2.D1.3

display sets of data, using one-to-one correspondence, in concrete graphs, pictographs, line plots, and bar graphs with proper sources, titles, and labels

Activities

D1 Data Collection & organization

Tally Charts

Skill Quests

Pictographs, line plots, and bar graphs

Representing and reading data in pictographs

Representing and reading data in line plots

Representing and reading data in bar graphs

D1 Data Literacy: Data Analysis

2.D1.4

identify the mode(s), if any, for various data sets presented in concrete graphs, pictographs, line plots, bar graphs, and tables, and explain what this measure indicates about the data

Activities

D1 Data Collection & organization

Mode

Skill Quests

Identify and explain the mode

Identifying and explaining the mode

2.D1.5

analyse different sets of data presented in various ways, including in logic diagrams, line plots, and bar graphs, by asking and answering questions about the data and drawing conclusions, then make convincing arguments and informed decisions

Activities

D1 Data Collection & organization

Read Graphs

Column Graphs

Interpreting Tables

Line Plots

Skill Quests

Analyse data

Analysing data in a line plot

Analysing data in a bar graph

Analysing data in a logic diagram

D2 Probability: Probability

2.D2.1

use mathematical language, including the terms “impossible”, “possible”, and “certain”, to describe the likelihood of complementary events happening, and use that likelihood to make predictions and informed decisions

Activities

D2 Probability

Will it Happen?

Fair Games

Skill Quests

Probability: complementary events

Exploring complementary events

Using probability language, complementary events

2.D2.2

make and test predictions about the likelihood that the mode(s) of a data set from one population will be the same for data collected from a different population

Activities



Teacher directed



Skill Quests



Teacher directed

E Spatial Sense



E1 Geometric and Spatial Reasoning: Geometric Reasoning

2.E1.1	
sort and identify two-dimensional shapes by comparing number of sides, side lengths, angles, and number of lines of symmetry	
 Activities	
E1 Geometry	Count Sides and Corners
	Sides, Angles and Diagonals
	Collect the Shapes 2
	Shapes
	Symmetry
 Skill Quests	
Sort and identify two-dimensional shapes	Comparing two-dimensional shapes
	Identifying and naming two-dimensional shapes
	Sorting two-dimensional shapes
	Recognizing line symmetry

2.E1.2	
compose and decompose two-dimensional shapes, and show that the area of a shape remains constant regardless of how its parts are rearranged	
 Activities	
Teacher directed	
 Skill Quests	
Teacher directed	

2.E1.3	
identify congruent lengths and angles in two-dimensional shapes by mentally and physically matching them, and determine if the shapes are congruent	
 Activities	
E1 Geometry	Congruent Figures (Dot Grid)
	Equal Areas
 Skill Quests	
Introduce congruent shapes	Introducing congruent shapes

E1 Geometric and Spatial Reasoning: Location and Movement

2.E1.4	
create and interpret simple maps of familiar places	
 Activities	
Teacher directed	
 Skill Quests	
Create and interpret simple maps	Creating and interpreting simple maps

2.E1.5

describe the relative positions of several objects and the movements needed to get from one object to another

Activities

E1 Geometry

Where is it?

Left or Right?

Skill Quests

Describe relative positions & movements

Describing relative positions & movements

E2 Measurement: Length

2.E2.1

choose and use non-standard units appropriately to measure lengths, and describe the inverse relationship between the size of a unit and the number of units needed

Activities

E2 Measurement

Measuring Length with Blocks

Compare Length

Compare Length 1

Skill Quests

Measure length, non-standard units

Measuring length, non-standard units

Measuring length using unit iteration

2.E2.2

explain the relationship between centimetres and metres as units of length, and use benchmarks for these units to estimate lengths

Activities

Teacher directed

Skill Quests

Introduce centimetres and metres

Introducing formal units for length: centimetres

2.E2.3

measure and draw lengths in centimetres and metres, using a measuring tool, and recognize the impact of starting at points other than zero

Activities

E2 Measurement

How Long is That?

Skill Quests

Measure in metres and centimetres

Measuring in metres and centimetres

E2 Measurement: Time

2.E2.4

use units of time, including seconds, minutes, hours, and non-standard units, to describe the duration of various events

Activities

Teacher directed

Skill Quests	
Use units of time to describe duration	Introducing formal units for time: hours
	Introducing formal units for time: minutes
	Introducing formal units for time: seconds

F Financial Literacy

F1 Money and Finances: Money Concepts

2.F1.1	
identify different ways of representing the same amount of money up to Canadian 200¢ using various combinations of coins, and up to \$200 using various combinations of \$1 and \$2 coins and \$5, \$10, \$20, \$50, and \$100 bills	
Activities	
F1 Money Concepts	Skip Counting with Coins
	Money
	Who's got the Money?
Skill Quests	
Represent amounts of money	Using bills and coins to make amounts



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