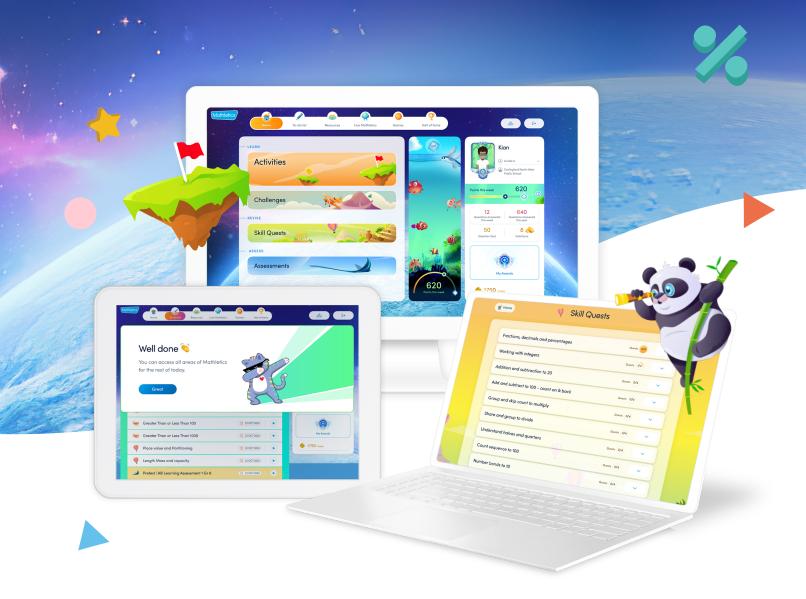
Mathletics The Ontario Curriculum Skill Quests & Activities



Grades 1-3

September 2023



Mathletics

The Ontario Curriculum Skill Quests & Activities September 2023

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Grade 1

B. Number

B1. Number Sense: Whole Numbers

B1.1 read and represent whole numbers up to and including 50, and describe various ways they are used in everyday life	
Quests	Content
Read and represent whole numbers to 50	Connect number names, numerals & collections to 50
Course Topic	Activities Title
B1 Whole Numbers	Matching Numbers to 10
	Counting Up to 20
	Counting Back Within 20
	Ordinal Numbers

B1.2 compose and decompose whole numbers up to and including 50, using	
a variety of tools and strategies, in various contexts	
Quests	Content
Compose and decompose	Partitioning 2-digit numbers to 50
numbers to 50	Non-standard partitioning: 2-digit numbers to 50
Course Topic	Activities Title
B1 Whole Numbers	Making Teen Numbers

B1.3 compare and order whole numbers up to and including 50, in various		
	contexts	
Quests	Content	
Compare and order whole	Comparing collections and numerals to 50	
numbers to 50	Ordering collections and numerals to 50	
Course Topic	Activities Title	
B1 Whole Numbers	Before, After and Between to 20	
	Make Numbers Count	
	Compare Numbers to 20	
	Order Numbers to 20	
	Compare Numbers to 50	

B1.4 estimate the number of objects in collections of up to 50, and verify their estimates by counting	
Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
B1 Whole Numbers	How Many Dots?

B1.5 count to 50 by 1s, 2s, 5s, and 10s, using a variety of tools and strategies	
Quests	Content
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
Course Topic	Activities Title
B1 Whole Numbers	
B1 Whole Numbers	1 to 30
B1 Whole Numbers	1 to 30 1st to 31st
B1 Whole Numbers	
B1 Whole Numbers	1st to 31st
B1 Whole Numbers	1st to 31st Reading Numbers to 30
B1 Whole Numbers	1st to 31st Reading Numbers to 30 Counting Backward
B1 Whole Numbers	1st to 31st Reading Numbers to 30 Counting Backward Counting Forward
B1 Whole Numbers	1st to 31st Reading Numbers to 30 Counting Backward Counting Forward Making Numbers Count

B1. Number Sense: Fractions

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	
Quests	Content
Fair-share problems, 2 and 4 sharers	Solving fair-share problems, 2 and 4 sharers
Course Topic	Activities Title
B1 Fractions	Share the Treasure
	Dividing Twos
	Dividing Fours

B1.7 recognize that one half and two fourths of the same whole are equal, in fair-sharing contexts	
Quests	Content
Equivalence, one half and two fourths	Introducing the concept of half
Course Topic	Activities Title
B1 Fractions	Is it Half?
	Halves and Quarters

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	
Quests	Content
Compare and order unit fractions	Comparing and ordering unit fractions with models
Course Topic	Activities Title
B1 Fractions	Shade fractions

B2. Operations: Properties and Relationship

B2.1 use the properties of addition and subtraction, and the relationship between addition and subtraction, to solve problems and check calculations

betteen addition and subtraction, to solve problems and theck calculations	
Quests	Content
Add/subtract properties &	Introducing the commutative property of addition
relationship	Fact families: addition/subtraction, within 30
Course Topic	Activities Title
B2 Addition and	Adding In Any Order
Subtraction	Adding to Make 5 and 10
	Adding to Ten
	Addition Facts
	All about Twenty
	Add 3 Single Digit Numbers
	Doubles and Near Doubles
	Addictive Addition
	Model Subtraction
	Subtracting from Ten
	Subtraction Facts to 18
	Subtracting from 20
	Add and Subtract Using Graphs
	Doubles and Halves to 10

B2. Operations: Math Facts

B2.2 recall and demonstrate addition facts for numbers up to 10, and related subtraction facts	
Quests	Content
Addition/subtraction facts	Recognizing and recalling bonds to 10
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
Course Topic	Activities Title
B2 Addition and	Adding to Make 5 and 10
Subtraction	Adding to Ten
	Addition Facts
	All about Twenty
	7 dia 2 die 1 11 2 in 19
	Add 3 Single Digit Numbers
	Add 3 Single Digit Numbers
	Add 3 Single Digit Numbers Addictive Addition
	Add 3 Single Digit Numbers Addictive Addition Model Subtraction
	Add 3 Single Digit Numbers Addictive Addition Model Subtraction Subtracting from Ten
	Add 3 Single Digit Numbers Addictive Addition Model Subtraction Subtracting from Ten Subtraction Facts to 18

B2. Operations: Mental Math

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

Quests	Content
Mental math: add/subtract to 20	Mental strategies: addition and subtraction to 18
Course Topic	Activities Title
B2 Addition and	Addition Facts
Subtraction	All about Twenty
	Add 3 Single Digit Numbers
	Doubles and Near Doubles
	Addictive Addition
	Model Subtraction
	Subtraction Facts to 18
	Subtracting from 20
	Adding to 10 Word Problems

B2. Operations: Addition and Subtraction

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

Quests	Content
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
Course Topic	Activities Title
B2 Addition and	Doubles and Near Doubles
Subtraction	Adding to 10 Word Problems

B2. Operations: Multiplication and Division

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

Quests	Content
Represent and solve equal- group problems	Representing and solving equal-group problems
Course Topic	Activities Title
B2 Multiplication and	Doubles and Halves to 10
Division	Adding to 10 Word Problems

C. Algebra

C1. Patterns and Relationships: Patterns

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

parterne realita in real intereste	
Quests	Content
Identify and describe	Identifying & describing repeating patterns
patterns	Recognizing repeating patterns
Course Topic	Activities Title
C1 Patterns and	Complete the Pattern
Relationships	Colour Patterns

C1.2 create and translate patterns using movements, sounds, objects, shapes, letters, and numbers	
Quests	Content
Create patterns	Creating repeating patterns
Course Topic	Activities Title
C1 Patterns and	Complete the Pattern
Relationships	Simple Patterns
	Missing it!
	Colour Patterns
	Pattern Error

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

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

C2. Equations and Inequalities: Variables

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

C2. Equations and Inequalities: Equalities and Inequalities

C2.2 determine whether given pairs of addition and subtraction expressions are equivalent or not	
Quests	Content
Equivalence: addition and subtraction	Recognizing equality in addition and subtraction
Course Topic	Activities Title
C2 Equalities & Inequalities	Balance Numbers to 10/Composing numbers to 10
	Balance Numbers to 20/Composing Numbers to 20
	Balancing Act

C2.3 identify and use equivalent relationships for whole numbers up to 50, in	
various contexts	
Quests	Content
Identify & use equivalent relationships	Recognize the concept of equality, numbers to 50
Course Topic	Activities Title
C2 Equalities & Inequalities	Balance Numbers to 10/Composing numbers to 10
	Balance Numbers to 20/Composing Numbers to 20
	Balancing Act

C3. Coding: Coding skills

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

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

D. Data

D1. Data Literacy: Data Collection and Organization

D1.1 sort sets of data about people or things according to one attribute, and describe rules used for sorting	
Quests	Content
Sorting sets of data	Grouping simple data using 1 attribute
Course Topic	Activities Title
D1 Data	Sort It
	Sorting Data
	Tallies

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

Quests	Content
Data collection and recording	Asking simple questions to gather data
Course Topic	Activities Title
D1 Data	Sorting Data
	Tallies

D1. Data Literacy: Data Visualization

D1.3 display sets of data, using one-to-one correspondence, in concrete graphs and pictographs with proper sources, titles, and labels	
Quests	Content
Represent data using	Representing data using simple displays
simple displays	
Course Topic	Activities Title
Teacher directed	Teacher directed

D1. Data Literacy: Data Analysis

D1.4 order categories of data from greatest to least frequency for various data sets displayed in tally tables, concrete graphs, and pictographs	
Quests	Content
Order category data	Ordering category data
Course Topic	Activities Title
D1 Data	Picture Graphs: More or Less

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

Quests	Content
Interpret basic data displays	Interpreting basic data displays
uispidys	
Course Topic	Activities Title
D1 Data	Picture Graphs: Comparing groups of objects (CAN)
	Picture Graphs: Single-Unit Scale
	Read Graphs

D2 Probability

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

Quests	Content
Use the basic language of	Using the basic language of probability
probability	
Course Topic	Activities Title
D2 Probability	Will it Happen?

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

Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
Teacher directed	Teacher directed

E. Spatial Sense

E1. Geometric and Spatial Reasoning: Geometric Reasoning

E1.1 sort three-dimensional objects and two-dimensional shapes according to one attribute at a time, and identify the sorting rule being used	
Quests	Content
Sort 3D objects and 2D	Sorting 3D objects, 1 attribute
shapes	Sorting 3D objects, more than 1 attribute
	Sorting basic 2D shapes, 1 attribute
	Sorting basic 2D shapes, more than 1 attribute
Course Topic	Activities Title
E1 Geometry	Collect Simple Shapes
	Collect the Shapes
	Collect the Shapes 1
	Count Sides and Corners
	Relate Shapes and Solids
	How Many Faces?
	How many Edges?
	How many corners?
	Symmetry

E1.2 construct three-dimensional objects, and identify two-dimensional	
shapes contained within structures and objects	
Quests	Content
Construct three-	Constructing three-dimensional structures
dimensional structures	
Course Topic	Activities Title
E1 Geometry	Relate Shapes and Solids
	How Many Faces?
	How many Edges?
	How many corners?
	Symmetry

E1.3 construct and describe two-dimensional shapes and three-dimensional objects that have matching halves	
Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
E1 Geometry	Count Sides and Corners
	Relate Shapes and Solids
	How Many Faces?
	How many Edges?

How many corners?
Symmetry

E1. Geometric and Spatial Reasoning: Location and Movement

E1.4 describe the relative locations of objects or people, using positional language	
	<u> </u>
Quests	Content
Describe relative locations	Describing position and movement
	Distinguishing between left and right
Course Topic	Activities Title
E1 Geometry	Where is it?
	Left or Right?

E1.5 give and follow directions for moving from one location to another	
Quests	Content
Give and follow directions	Giving directions
Course Topic	Activities Title
E1 Geometry	Left or Right?
	Following Directions

E2. Measurement: Attributes

E2.1 identify measurable attributes of two-dimensional shapes and three-dimensional objects, including length, area, mass, capacity, and angle	
Quests	Content
Identify measurable	Introducing the attribute of length
attributes	Introducing the attribute of mass
	Introducing the attributes of volume and capacity
	Introducing the attribute of area
	Introducing angles as a measurable attribute
Course Topic	Activities Title
E2 Measurement	Everyday Length
	Balancing Objects
	Everyday Mass
	How Full?
	Filling Fast!

E2.2 compare several everyday objects and order them according to length,		
	area, mass, and capacity	
Quests	Content	
Compare and order objects	Compare areas using direct comparison	
by attributes	Compare/order mass of 2 objects, pan balance	
	Compare/order volume and capacity, informal units	
	Compare capacities, direct comparison	
Course Topic	Activities Title	
E2 Measurement	Comparing Length	
	Biggest Shape	
	Which Holds More?	

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

F. Financial Literacy

F.1 Money & Finances: Money concepts

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

Grade 2

B. Number

B1. Number Sense: Whole Numbers

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	
Quests	Content
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
	Partitioning 3-digit numbers to 200
	Identifying place value: 3-digit numbers to 200
	Non-standard partitioning: 2-digit numbers
	Non-standard partitioning: 3-digit numbers to 200
Course Topic	Activities Title
B1 Whole Numbers	Nearest 10?
	Matching Numbers to 20
	Making Big Numbers Count
	Going Up
	Going Down
	Arranging Numbers
	Place Value 1
	Repartition Two-digit Numbers
	Before, After & Between to 100
	1 More, 2 Less
	1 More, 10 Less

B1.2 compare and order whole numbers up to and including 200, in various	
	contexts
Quests	Content
Compare and order	Comparing and ordering numbers to 200
numbers to 200	
Course Topic	Activities Title
B1 Whole Numbers	Matching Numbers to 20
	Making Big Numbers Count
	Going Up
	Going Down
	Arranging Numbers

Number Lines (to 100)
Which is Bigger?
Which is Smaller?
Greater or Less to 100
Compare Numbers to 100
Before, After & Between to 100
1 More, 2 Less
1 More, 10 Less
Number Line Order

B1.3 estimate the number of objects in collections of up to 200 and verify	
their estimates by counting	
Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
Teacher directed	Teacher directed

B1.4 count to 200, including by 20s, 25s, and 50s, using a variety of tools and strategies	
Quests	Content
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
Course Topic	Activities Title
Teacher directed	Teacher directed

B1.5 describe what makes a number even or odd	
Quests	Content
Odd and even numbers	Modelling odd and even number patterns up to 20
Course Topic	Activities Title
B1 Whole Numbers	Odd or Even
	Odd and Even Numbers 1

B1. Number Sense: Fractions

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

Quests	Content
Fair-share problems: 2, 3, 4,	Fair-share problems with models, 2 or 4 sharers
6 sharers	Fair-share problems with models, 3 sharers
	Fair-share problems with models, 6 sharers
Course Topic	Activities Title
Course Topic B1 Fractions	Activities Title Dividing Threes
	Dividing Threes

B1.7 recognize that one third and two sixths of the same whole are equal, in fair-sharing contexts	
Quests	Content
Equivalence, one third and two sixths	Equivalence, one third and two sixths
Course Topic	Activities Title
B1 Fractions	Halves and Quarters
	Thirds and Sixths

B2. Operations: Properties and Relationships

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

10 301	to solve problems and effect calculations	
Quests	Content	
Properties and operational	Using the commutative property of addition to 20	
relationships	Using repeated addition to multiply	
	Using repeated subtraction to divide	
Course Topic	Activities Title	
B2 Addition & Subtraction to 100	Related Facts 1	

B2. Operations: Math Facts

B2.2 recall and demonstrate addition facts for numbers up to 20, and related subtraction facts	
Quests	Content
Addition/subtraction facts	Adding and subtracting within 20 fluently
to 20	
Course Topic	Activities Title
B2 Addition & Subtraction	All about Twenty
to 100	Subtracting from 20
	Addition
	Add 3 Numbers Using Bonds to 10
	Complements to 10, 20, 50
	Model Addition

B2. Operations: Mental Math

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	
Quests	Content
Mental math: add/subtract	Bridging to ten to mentally add or subtract

Wentarmath ada, subtract	Bridging to ten to mentally add of Subtract
to 50	Using place value to mentally add numbers
Course Topic	Activities Title
B2 Addition & Subtraction	Addition
to 100	Add 3 Numbers Using Bonds to 10
	Complements to 10, 20, 50
	Simple Subtraction
	Model Addition
	Add and Subtract Problems
	Subtract Tens
	Repartition to Subtract/Decompose numbers to subtract
	Bar Model Problems 1
	Bar Model Problems 2
	Add 3 Numbers: Bonds to Multiples of 10

B2. Operations: Addition and Subtraction

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

Quests	Content
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
Course Topic	Activities Title
B2 Addition & Subtraction	Add and Subtract Problems
to 100	Subtract Tens
	Repartition to Subtract/Decompose numbers to subtract
	Bar Model Problems 1
	Bar Model Problems 2
	Add 3 Numbers: Bonds to Multiples of 10

B2. Operations: Multiplication and Division

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	
Quests	Content
Multiplication as repeated	Use repeated addition with arrays (2, 5, 10)
equal groups	Connect multiplication, arrays, repeated addition
	Repeated addition with one half and one fourth
Course Topic	Activities Title
B2 Multiplication & Division	Groups

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	
Quests	Content
Represent division up to 12	Sharing objects to divide up to 12, models
Course Topic	Activities Title
B2 Multiplication & Division	Share the Treasure
	Fill the Jars
	Multiplication Arrays
	Divide Into Equal Groups

C. Algebra

C1. Patterns and Relationships: Patterns

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

Course Topic	Activities Title
C 1 Patterns	Count by Twos
	Colour Patterns
	Pattern Error

C1.2 create and translate patterns using various representations, including shapes and numbers	
Quests	Content
Create patterns with	Create repeating shape patterns
shapes and numbers	Identify/extend/describe repeating number patterns
Course Topic	Activities Title
C 1 Patterns	Count by Twos
	Count by Fives
	Count by Tens
	Count by 2s, 5s and 10s
	Counting on a 100 grid
	Colour Patterns
	Pattern Error
	Missing it!
	Count Forward Patterns
	Count Backward Patterns

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 Quests Content Pattern rules, repeating ID errors/missing elements, repeating patterns patterns Identify the structure of repeating patterns Extend repeating patterns **Activities Title Course Topic** C 1 Patterns Counting on a 100 grid Colour Patterns Pattern Error Missing it! Count Forward Patterns Count Backward Patterns

C1.4 create and describe patterns to illustrate relationships among whole numbers up to 100	
Quests	Content
Create/describe patterns,	Growing/shrinking/repeating number patterns to 100
numbers to 100	Identify and describe number patterns to 100

Course Topic	Activities Title
Teacher directed	Teacher directed

C2. Equations and Inequalities: Variables

C2.1 identify when symbols are being used as variables, and describe how they are being used	
Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
C2. Equations and	Missing Values
Inequalities	All about Ten

C2. Equations and Inequalities: Equalities and Inequalities

C2.2 determine what needs to be added to or subtracted from addition and subtraction expressions to make them equivalent	
Quests	Content
Explore equality,	Exploring equality, addition/subtraction
addition/subtraction	
Course Topic	Activities Title
C2. Equations and	Balance Numbers to 20/Composing Numbers to 20
Inequalities	Missing Values

C2.3 identify and use equivalent relationships for whole numbers up to 100,	
in various contexts	
Quests	Content
Equivalent relationships to	Equivalent addition/subtraction relationships
100	
Course Topic	Activities Title
C2. Equations and	Fact Families: Add and Subtract
Inequalities	

C3. Coding: Coding Skills

C3.1 solve problems and create computational representations of
mathematical situations by writing and executing code, including code that
involves sequential and concurrent events

Quests	Content
Write code:	Write/execute code: sequential/concurrent events
sequential/concurrent	
events	

Course Topic	Activities Title
Teacher directed	Teacher directed

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

Quests	Content
Read code: sequential/concurrent	Read/alter code: sequential/concurrent events
events	
Course Topic	Activities Title
Teacher directed	Teacher directed

D. Data

D1. Data Literacy: Data Collection and Organization

D1.1 sort sets of data about people or things according to two attributes, using tables and logic diagrams, including Venn and Carroll diagrams

dening tables and regio and grame, melalaning verm and carren and grame	
Quests	Content
Sort data according to 2	Introducing Venn diagrams
attributes	Introducing Carroll diagrams
	Relating Carroll and Venn diagrams
	Sorting data using logic diagrams
Course Topic	Activities Title
D1 Data Collection &	Line Plots
organisation	Tally Charts

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

Quests	Content
Collect/organize data, two-	Organizing data in a two-way tally table
way tables	
Course Topic	Activities Title
Teacher directed	Teacher directed

D1. Data Literacy: Data Visualization

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

Quests	Content
Pictographs, line plots, and	Representing and reading data in pictographs
bar graphs	Representing and reading data in line plots
	Representing and reading data in bar graphs
Course Topic	Activities Title
D1 Data Collection &	Read Graphs
organisation	Column Graphs
	Interpreting Tables

D1. Data Literacy: Data Analysis

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

Quests	Content
Identify and explain the	Identifying and explaining the mode
mode	
Course Topic	Activities Title
D1 Data Collection &	Mode
organisation	

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

Quests	Content
Analyse data	Analysing data in a line plot
	Analysing data in a bar graph
	Analysing data in a logic diagram
Course Topic	Activities Title
D1 Data Collection &	Line Plots
organisation	Tally Charts

D2. Probability: Probability

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

Quests	Content
Probability: complementary	Exploring complementary events
events	Using probability language, complementary events
Course Topic	Activities Title
D2 Probability	Will it Happen?
	Fair Games

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

Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
Teacher directed	Teacher directed

E. Spatial Sense

E1. Geometry: Geometric Reasoning

sides, side lengths, angles, and number of lines of symmetry	
Quests	Content
Sort and identify two- dimensional shapes	Comparing two-dimensional shapes
	Identifying and naming two-dimensional shapes
	Sorting two-dimensional shapes
	Recognizing line symmetry
<u> </u>	A 21 121
Course Topic	Activities Title
E1 Geometry	Activities Litle Count Sides and Corners
-	
-	Count Sides and Corners
-	Count Sides and Corners Sides, Angles and Diagonals
-	Count Sides and Corners Sides, Angles and Diagonals Collect the Shapes 2
-	Count Sides and Corners Sides, Angles and Diagonals Collect the Shapes 2 Shapes

Equal Areas

E1.1 sort and identify two-dimensional shapes by comparing number of

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

Quests		Content	
Teacher directed		Teacher directed	
Course Top	pic	Activities T	tle
Teacher directed		Teacher directed	

E1.3 identify congruent lengths and angles in two-dimensional shapes by mentally and physically matching them, and determine if the shapes are congruent

Quests	Content
Introduce congruent	Introducing congruent shapes
shapes	
Course Topic	Activities Title
E1 Geometry	Count Sides and Corners
	Sides, Angles and Diagonals
	Collect the Shapes 2
	Shapes
	Congruent Figures (Dot Grid)
	Equal Areas

E1. Geometry: Location and Movement

E1.4 create and interpret simple maps of familiar places		
Quests	Content	
Create and interpret simple maps	Creating and interpreting simple maps	
Course Topic	Activities Title	
E1 Geometry	Where is it? Left or Right?	

E1.5 describe the relative positions of several objects and the movements needed to get from one object to another

Quests	Content
Describe relative positions &	Describing relative positions & movements
movements	
Course Topic	Activities Title
E1 Geometry	Flip, Slide, Turn

E2. Measurement: Length

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

Quests	Content
Measure length, non-	Measuring length, non-standard units
standard units	Measuring length using unit iteration
Course Topic	Activities Title
E2 Measurement	Measuring Length with Blocks
	Compare Length
	Ordering Lengths (cm)
	Compare Length 1

E2.2 explain the relationship between centimetres and metres as units of length, and use benchmarks for these units to estimate lengths

Quests	Content
Introduce centimetres and	Introducing formal units for length: centimetres
metres	
Course Topic	Activities Title
Teacher directed	Teacher directed

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

Quests	Content
Measure in metres and centimetres	Measuring in metres and centimetres
Course Topic	Activities Title
E2 Measurement	How Long is That?

E2. Measurement: Time

E2.4 use units of time, including seconds, minutes, hours, and non-standard units, to describe the duration of various events

Quests	Content
Use units of time to describe	Introducing formal units for time: hours
duration	Introducing formal units for time: minutes
	Introducing formal units for time: seconds
Course Topic	Activities Title
Teacher directed	Teacher directed

F. Financial Literacy

F1. Money and Finances: Money Concepts

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

Quests	Content
Represent amounts of	Using bills and coins to make amounts
money	
Course Topic	Activities Title
F1 Money Concepts	Skip Counting with Coins
	Money
	Who's got the Money?

Grade 3

B. Number

B1. Number Sense: Whole Numbers

B1.1 read, represent, compose, and decompose whole numbers up to and including 1000, using a variety of tools and strategies, and describe various ways they are used in everyday life	
Quests	Content
Numbers up to 1000	Reading and writing 3-digit numbers
	Using place value to partition 3-digit numbers
	Non-standard partitioning, 3-digit numbers
Course Topic	Activities Title
B1 Whole Number	Model Numbers
	Place Value 2
	Understanding Place Value 1 (CAN)
	Place Value Partitioning

B1.2 compare and order whole numbers up to and including 1000, in various	
contexts	
Quests	Content
Compare and order	Comparing numbers to 1000
numbers to 1000	Ordering numbers to 1000
Course Topic	Activities Title
B1 Whole Number	Which is Bigger?
	Which is Smaller?
	Ascending Order
	Descending Order

B1.3 round whole numbers to the nearest ten or hundred, in various contexts	
Quests	Content
Round numbers up to 1000	Rounding numbers to the nearest ten
	Rounding numbers to the nearest hundred
Course Topic	Activities Title
B1 Whole Number	Nearest 100?
	Rounding Numbers 1

B1.4 count to 1000, including by 50s, 100s, and 200s, using a variety of tools and strategies	
Quests	Content
Count to 1000	Counting by 10s to 1000, forward and backward
	Counting by 2s to 1000, forward and backward
	Counting by 5s to 1000, forward and backward
	Counting by 100s to 1000, forward and backward
	Counting by 20s to 1000, forward and backward
	Counting by 50s to 1000, forward and backward
	Counting by 200s to 1000, forward and backward
Course Topic	Activities Title
Teacher directed	Teacher directed

B1.5 use place value when describing and representing multi-digit numbers in a variety of ways, including with base ten materials	
Quests	Content
Place value to 1000	Identifying place value: 3-digit numbers
	Solving place value problems: 3-digit numbers
Course Topic	Activities Title
B1 Whole Number	Model Numbers
	Place Value 2
	Understanding Place Value 1 (CAN)
	Place Value Partitioning

B1. Number Sense: Fractions

B1.6 use drawings to represent, solve, and compare the results of fair-share problems that involve sharing up to 20 items among 2, 3, 4, 5, 6, 8, and 10 sharers, including problems that result in whole numbers, mixed numbers, and fractional amounts

Quests	Content
Fair-share problems	Fair-share problems
Course Topic	Activities Title
B1 Fractions	Dividing Threes
	Dividing Fours
	Dividing Fives
	Dividing Sixes
	Dividing Eights
	Dividing Tens

B1.7 represent and solve fair-share problems that focus on determining and using equivalent fractions, including problems that involve halves, fourths, and eighths; thirds and sixths; and fifths and tenths

Quests	Content
Equivalent fraction fair-	Equivalent fraction fair-share problems
share problems	Investigating equivalent fractions
Course Topic	Activities Title
B1 Fractions	Halve it!
	Model Fractions
	Uneven partitioned shapes 1
	Fractions of a Collection 2
	Uneven partitioned shapes 2 (includes 12ths)
	Fractions of a Collection (includes 7ths)

B2. Operations: Properties and Relationships

B2.1 use the properties of operations, and the relationships between multiplication and division, to solve problems and check calculations

Quests	Content
Multiplication & division	Properties of multiplication
relationships	Understanding division, unknown-factor problem
	Modelling multiplication & division relationships
Course Topic	Activities Title
B2 Multiplication & Division	Frog Jump Multiplication
	Frog Jump Division

B2. Operations: Math Facts

B2.2 recall and demonstrate multiplication facts of 2, 5, and 10, and related division facts

Quests	Content
Quests	
Multiplication/division facts:	Multiplication facts: 2
2, 5, 10	Multiplication facts: 5
	Multiplication facts: 10
	Division facts: 2
	Division facts: 5
	Division facts: 10
Course Topic	Activities Title
B2 Multiplication & Division	Multiplication Grids (CAN)
	Related Facts 2
	Fact Families: Multiply and Divide
	Bar model × ÷

	Model multiplication to 5 × 5
	Multiplication Arrays
	Arrays 1
	Arrays 2
	Groups of Two
	Groups of Five
	Groups of Ten

B2. Operations: Mental Math

B2.3 use mental math strategies, including estimation, to add and subtract whole numbers that add up to no more than 1000, and explain the strategies used

Quests	Content
Mental math: add/subtract to 1000	Add 2-/3-digit numbers mentally, place value
	Subtract 2-/3-digit numbers mentally, place value
	Add and subtract 2-/3-digit number, place value
	Subtract two 3-digit numbers mentally, place value
	Estimation: addition/subtraction
Course Topic	Activities Title
B2 Addition and	Estimate Sums
Subtraction	Estimate Differences

B2. Operations: Addition and Subtraction

B2.4 demonstrate an understanding of algorithms for adding and subtracting whole numbers by making connections to and describing the way other tools and strategies are used to add and subtract

Quests	Content
·	
Teacher directed	Teacher directed
Course Topic	Activities Title
B2 Addition and	Jump Add and Subtract
Subtraction	Split Add and Subtract
	Compensation - Add
	Add 3 Numbers: Bonds to 100
	Magic Mental Subtraction/Mental Subtraction (US)
	Compensation - Subtract
	Add Three 1-Digit Numbers
	Columns that Add
	Column Addition 1
	Add Two 2-Digit Numbers: Regroup (UK)
	Add 3-Digit Numbers
	Subtract Numbers
	Subtract Numbers: Regroup
	Columns that Subtract

	Column Subtraction Method
	2-Digit Differences
	3-Digit Differences
	3-Digit Differences: 1 Regrouping

B2.5 represent and solve problems involving the addition and subtraction of whole numbers that add up to no more than 1000, using various tools and algorithms

Quests	Content
Add and subtract within	Create/solve addition & subtraction word problems
1000	Add/subtract using the number line
	Add/subtract using place value
	Add/subtract using rounding and compensating
	Add/subtract using expanded form
	Represent add/subtract problems using a bar model
	Add/subtract using an algorithm
Course Topic	Activities Title
B2 Addition and	Jump Add and Subtract
Subtraction	Split Add and Subtract
	Compensation - Add
	Add 3 Numbers: Bonds to 100
	Magic Mental Subtraction/Mental Subtraction (US)
	Compensation – Subtract
	Add Three 1-Digit Numbers
	Columns that Add
	Column Addition 1
	Add Two 2-Digit Numbers: Regroup (UK)
	Add 3-Digit Numbers
	Subtract Numbers
	Subtract Numbers: Regroup
	Columns that Subtract
	Column Subtraction Method
	2-Digit Differences
	3-Digit Differences
	3-Digit Differences: 1 Regrouping

B2. Operations: Multiplication and Division

B2.6 represent multiplication of numbers up to 10 \times 10 and division up to 100 \div 10, using a variety of tools and drawings, including arrays

Quests	Content
Represent multiplication/division to 100	Introducing and describing arrays
	Using arrays to add or subtract another group
	Representing multiplication up to 10×10 , models

	Representing division up to 100 ÷ 10, models
Course Topic	Activities Title
B2 Multiplication & Division	Related Facts 2
	Fact Families: Multiply and Divide
	Bar model × ÷
	Model multiplication to 5 × 5
	Multiplication Arrays
	Arrays 1
	Arrays 2
	Groups of Two
	Groups of Five
	Groups of Ten

B2.7 represent and solve problems involving multiplication and division, including problems that involve groups of one half, one fourth, and one third, using tools and drawings

Quests	Content
Solve multiplication/division	Use repeated addition to multiply
problems	Divide by sharing and grouping
	Create/solve problems, sharing and grouping
	Use repeated subtraction to divide
	Multiply/divide, models (2x, 5x, 10x)
	Solve multiplication problems, sharing/grouping
	Solve multiplication/division problems, arrays
	Repeated addition/subtraction, unit fractions
Course Topic	Activities Title
B1 Fractions	Halve it!
B2 Multiplication & Division	Make Fair Shares

B2.8 represent the connection between the numerator of a fraction and the repeated addition of the unit fraction with the same denominator using various tools and drawings, and standard fractional notation

Quests	Content
Understand the numerator	Using models to add unit fractions
Course Topic	Activities Title
B1 Fractions	Model Fractions
	Uneven partitioned shapes 1
B2 Multiplication & Division	Fraction Fruit Sets 1

B2.9 use the ratios of 1 to 2, 1 to 5, and 1 to 10 to scale up numbers and to solve problems	
Quests	Content
Use ratios to scale up numbers	Using ratios to scale up numbers with models
Course Topic	Activities Title
Teacher directed	Teacher directed

C. Algebra

C1. Patterns and Relationships: Patterns

C1.1 identify and describe repeating elements and operations in a variety of patterns, including patterns found in real-life contexts	
Quests	Content
Identify/describe repeating patterns	Identify/describe repeating number patterns
Course Topic	Activities Title
C1 Patterns	Pick the Next Number

C1.2 create and translate patterns that have repeating elements, movements, or operations using various representations, including shapes, numbers, and tables of values	
Quests	Content
Create repeating patterns	Creating repeating patterns using given attributes
	Identifying and creating number patterns
Course Topic	Activities Title
C1 Patterns	Pick the Next Number

C1.3 determine pattern rules and use them to extend patterns, make and justify predictions, and identify missing elements in patterns that have repeating elements, movements, or operations	
Quests	Content
Create/extend/describe repeating pattern	Creating/extending/describing repeating patterns
Course Topic	Activities Title
C1 Patterns	Describing Patterns
	Increasing Patterns
	Decreasing Patterns
	Odd and Even Numbers 1

C1.4 create and describe patterns to illustrate relationships among whole numbers up to 1000	
Quests	Content
Describe patterns in numbers to 1000	Describing/recognizing patterns in numbers to 1000
Course Topic	Activities Title
C1 Patterns	Increasing Patterns
	Decreasing Patterns
	Odd and Even Numbers 1

C2. Equations and Inequalities: Variables

C2.1 describe how variables are used, and use them in various contexts as appropriate	
Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
C2 Variables	Commutative Property of Addition

C2. Equations and Inequalities: Equalities and Inequalities

C2.2 determine whether given sets of addition, subtraction, multiplication, and division expressions are equivalent or not	
Quests	Content
Recognize equivalent	Recognizing equivalent expressions, 4 operations
expressions	
Course Topic	Activities Title
C2 Variables	Equivalent Facts: Multiply

C3. Coding: Coding Skills

C3.1 solve problems and create computational representations of mathematical situations by writing and executing code, including code that involves sequential, concurrent, and repeating events	
Quests	Content
Write code for different	Write code for different types of events
types of events	
Course Topic	Activities Title
Teacher directed	Teacher directed

C3.2 read and alter existing code, including code that involves sequential, concurrent, and repeating events, and describe how changes to the code affect the outcomes

Quests	Content
Read code for different	Read code for different types of events
types of events	
Course Topic	Activities Title
Teacher directed	Teacher directed

D. Data

D1. Data Literacy: Data Collection and Organization

D1.1 sort sets of data about people or things according to two and three attributes, using tables and logic diagrams, including Venn, Carroll, and tree diagrams, as appropriate

Quests	Content
Sort data according to 2–3	Carroll and Venn diagrams
attributes	Tree diagrams
	Sorting data in logic diagrams
Course Topic	Activities Title
D1 Data	Column Graphs
	Reading from a Column Graph
	Venn Diagram 1
	Carroll Diagram
	Tree Diagram
	Line Plots
	Tally Charts

D1.2 collect data through observations, experiments, and interviews to answer questions of interest that focus on qualitative and quantitative data, and organize the data using frequency tables

Quests	Content
Collect and organize data in	Collecting and organizing data in tables
tables	
Course Topic	Activities Title
D1 Data	Column Graphs
	Reading from a Column Graph
	Interpreting Tables
	Venn Diagram 1
	Carroll Diagram
	Tree Diagram

Line Plots
Tally Charts

D1. Data Literacy: Data Visualization

D1.3 display sets of data, using many-to-one correspondence, in pictographs and bar graphs with proper sources, titles, and labels, and appropriate scales

Quests	Content
Graphs: pictographs, bar	Bar graphs, many-to-one correspondence
graphs	Pictographs, many-to-one correspondence
Course Topic	Activities Title
D1 Data	Picture Graphs: with scale & half symbols
	Making Picture Graphs: With Scale
	Venn Diagram 1
	Carroll Diagram
	Tree Diagram
	Line Plots
	Tally Charts

D1. Data Literacy: Data Analysis

D1.4 determine the mean and identify the mode(s), if any, for various data sets involving whole numbers, and explain what each of these measures indicates about the data

Quests	Content
Mean and mode	Determining and explaining the mean
	Determining and explaining the mode
Course Topic	Activities Title
D1 Data	Mode
	Mode from Frequency Table

D1.5 analyse different sets of data presented in various ways, including in frequency tables and in graphs with different scales, by asking and answering questions about the data and drawing conclusions, then make convincing arguments and informed decisions

Quests	Content
Analyse data, various data	Analysing data in pictographs, different scales
displays	Analysing data in bar graphs, different scales
	Analysing data in tables and lists
Course Topic	Activities Title
D1 Data	Mode from Frequency Table

D2. Probability: Probability

D2.1 use mathematical language, including the terms "impossible", "unlikely", "equally likely", "likely", and "certain", to describe the likelihood of events happening, and use that likelihood to make predictions and informed decisions

Quests	Content
Use the language of	Using the language of probability
probability	
Course Topic	Activities Title
D2 Probability	Chance Gauge
	Will it Happen?
	Most Likely and Least Likely
	Possible Outcomes

D2.2 make and test predictions about the likelihood that the mean and the mode(s) of a data set will be the same for data collected from different populations

Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
D2 Probability	Chance Gauge
	Will it Happen?
	Most Likely and Least Likely
	Possible Outcomes

E. Spatial Sense

E1. Geometric and Spatial Reasoning: Geometric and Spatial Reasoning

E1.1 sort, construct, a	and identify cubes, prisms, pyramids, cylinders, and
cones by comparing their faces, edges, vertices, and angles	
•	Control

cones by companing their races, eages, vertices, and angles	
Quests	Content
Three-dimensional objects	Introducing cones
	Introducing cubes
	Introducing cylinders
	Introducing prisms
	Introducing pyramids
	Comparing, sorting, and naming prisms and pyramids
	Making basic models of three-dimensional objects

	Faces, edges, and vertices
	Sorting three-dimensional objects
	Comparing three-dimensional objects
Course Topic	Activities Title
E1 Geometric & Spatial	Faces, Edges and Vertices
Reasoning	Collect the Objects
	Collect the Objects 2
	What Prism am I?
	What Pyramid am I?
	Naming 3D Objects

E1.2 compose and decompose various structures, and identify the twodimensional shapes and three-dimensional objects that these structures contain

Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
E1 Geometric & Spatial	Collect the Objects
Reasoning	Collect the Objects 2
	What Prism am I?
	What Pyramid am I?
	Naming 3D Objects

E1.3 identify congruent lengths, angles, and faces of three-dimensional objects by mentally and physically matching them, and determine if the objects are congruent

Quests	Content
Identify congruency in 3D	Identifying congruency in 3D objects
objects	
Course Topic	Activities Title
E1 Geometric & Spatial	Congruent Figures: Find Values

E1. Geometric and Spatial Reasoning: Location and Movement

E1.4 give and follow multistep instructions involving movement from one location to another, including distances and half- and quarter-turns

location to another, including distances and hair- and quarter-turns	
Quests	Content
Give and follow multistep	Giving instructions
instructions	
Course Topic	Activities Title
E1 Geometric & Spatial	Following Directions
Reasoning	

E2. Measurement: Length, Mass, and Capacity

E2.1 use appropriate units of length to estimate, measure, and compare the perimeters of polygons and curved shapes, and construct polygons with a given perimeter

Quests	Content
Perimeter: polygons and	Introducing perimeter
curved shapes	Calculating the perimeters of regular polygons
Course Topic	Activities Title
E2 Measurement	How Long is That?
	Perimeter of Shapes
	Perimeter: Triangles 2
	Which Unit of Measurement?

E2.2 explain the relationships between millimetres, centimetres, metres, and kilometres as metric units of length, and use benchmarks for these units to estimate lengths

Quests	Content
Length: mm, cm, m, km	Introducing formal units for length: millimetres
	Introducing formal units for length: kilometres
	Metres and centimetres
Course Topic	Activities Title
E2 Measurement	How Long is That?
	Perimeter of Shapes
	Perimeter: Triangles 2
	Centimeters and Millimeters
	Kilometre Conversions
	Mass Word Problems

E2.3 use non-standard units appropriately to estimate, measure, and compare capacity, and explain the effect that overfilling or underfilling, and gaps between units, have on accuracy

Quests	Content
Capacity: non-standard	Comparing and ordering capacity
units	
Course Topic	Activities Title
E2 Measurement	Comparing Volume
	Using a Litre
	Volume of Solids and Prisms - 1 cm3 blocks

E2. Measurement: Mass

E2.4 compare, estimate, and measure the mass of various objects, using a pan balance and non-standard units	
Quests	Content
Compare, estimate, and	Compare and order mass, informal units
measure mass	Compare, describe, and order mass, pan balance
Course Topic	Activities Title
E2 Measurement	How Heavy?

E2.5 use various units of different sizes to measure the same attribute of a given item, and demonstrate that even though using different-sized units produces a different count, the size of the attribute remains the same

Quests	Content
Teacher directed	Teacher directed
Course Topic	Activities Title
Teacher directed	Teacher directed

E2. Measurement: Time

E2.6 use analog and digital clocks and timers to tell time in hours, minutes, and seconds	
Quests	Content
Tell time	Telling time to the hour
	Telling time to the hour and half hour
	Telling time to the quarter hour
	Telling time to five minutes
	Telling time to the minute
Course Topic	Activities Title
E2 Measurement	Five Minute Times

E2. Measurement: Area

E2.7 compare the areas of two-dimensional shapes by matching, covering, or decomposing and recomposing the shapes, and demonstrate that different shapes can have the same area

Quests	Content
Compare areas using direct	Comparing areas using direct comparison
comparison	
Course Topic	Activities Title
E2 Measurement	Area of Shapes

Equal Areas
Biggest Shape/Bigger or smaller shape

E2.8 use appropriate non-standard units to measure area, and explain the effect that gaps and overlaps have on accuracy	
Quests	Content
Measure area using non- standard units	Measuring area using non-standard units
Course Topic	Activities Title
E2 Measurement	Area of Shapes
	Equal Areas
	Biggest Shape/Bigger or smaller shape

E2.9 use square centimetres (cm2) and square metres (m2) to estimate, measure, and compare the areas of various two-dimensional shapes, including those with curved sides	
Quests	Content
Estimate/measure/compare	Introducing formal units for area: cm²
area: cm², m²	Introducing formal units for area: m²
	Estimate and measure areas of rectangles
	Compare and order rectangular areas
	Approximate/compare areas, non-rectilinear shapes
Course Topic	Activities Title
Teacher directed	Teacher directed

F Financial Literacy

F1 Money and Finances: Money Concepts

F1.1 estimate and calculate the change required for various simple cash transactions involving whole-dollar amounts and amounts of less than one dollar	
Quests	Content
Estimate and calculate	Estimating and calculating change
change	
Course Topic	Activities Title
F1 Financial Literacy	How much Change?



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