

## Math Content: Grade 1

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**Review of Lesson 1 to 14**

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Lesson 1:      Numbers Exploration to 12

Unit 1.1      Facts from 0 to 5

Unit 1.2      Facts from 6 to 10

Unit 1.3      Facts of 10, 11, and 12

Unit 1.4      Identify Patterns for Numbers to 9

Unit 1.5      Count Objects

Unit 1.6      Learning Number Names

Unit 1.7      Using Objects in Problem Solving

Unit 1.8      Math Challenges

Lesson 2:      Number Comparing and Ordering

Unit 2.1      Two Number Comparisons

Unit 2.2      Three Number Comparisons

Unit 2.3      Ordering 0 to 6

Unit 2.4      Ordering 7 to 12

Unit 2.5      Ordering Numbers Using a Number Line

Unit 2.6      Problem Solving

Unit 2.7      Math Challenges

Lesson 3:      Addition Exploration Part I

Unit 3.1      Addition Using Objects

Unit 3.2      Addition Equaling 6

Unit 3.3      Addition Equaling 7

Unit 3.4      Addition Equaling 8

Unit 3.5      Addition Equaling 9

Unit 3.6      Math Challenges

Lesson 4: Addition Exploration Part II

- Unit 4.1 Addition using a number line
- Unit 4.2 Learning Addition Number Sentences
- Unit 4.3 Stories about Joining in Addition
- Unit 4.4 Order in Adding
- Unit 4.5 Using Objects in Problem Solving
- Unit 4.6 Math Challenges

Review of Lesson 1, 2, 3, and 4

Lesson 5: Subtraction Exploration Part I

- Unit 5.1 Subtraction Using Objects
- Unit 5.2 Missing Parts of 6
- Unit 5.3 Missing Parts of 7
- Unit 5.4 Missing Parts of 8
- Unit 5.5 Missing Parts of 9
- Unit 5.6 Math Challenges

Lesson 6: Subtraction Exploration Part II

- Unit 6.1 Subtraction Using a Number Line
- Unit 6.2 Subtraction Using Number Sentences
- Unit 6.3 Stories about Separation in Subtraction
- Unit 6.4 Comparing Using Subtraction
- Unit 6.5 Relating Subtraction and Addition
- Unit 6.6 Using Objects in Problem Solving
- Unit 6.7 Math Challenges

Lesson 7: Introducing Five and Ten Relationships

- Unit 7.1 Number Representation in Ten-Frames
- Unit 7.2 Using Ten-Frame Representation
- Unit 7.3 Understanding Parts of 10
- Unit 7.4 Missing Parts of 10
- Unit 7.5 Problem Solving Using Tables
- Unit 7.6 Math Challenges

Lesson 8: Learning Addition Facts up to 12

- Unit 8.1 Addition with 0, 1, 2
- Unit 8.2 Finding Doubles

- Unit 8.3 Finding near Doubles
- Unit 8.4 Addition Facts on Ten-Frame
- Unit 8.5 Making 10 on a Ten-Frame
- Unit 8.6 Solving Problems
- Unit 8.7 Math Challenges

Review of Lesson 5, 6, 7, and 8

Lesson 9: Learning Subtraction Facts up to 12

- Unit 9.1 Using Subtraction with 0, 1, and 2
- Unit 9.2 Introducing Subtracting: Thinking Addition
- Unit 9.3 Subtraction Thinking Addition to Subtract to 8
- Unit 9.4 Subtracting: Thinking Addition to 12 with Subtraction
- Unit 9.5 Problem Solving Using Pictures
- Unit 9.6 Math Challenges

Lesson 10: Introduction to Geometry Part I

- Unit 10.1 Identifying the Plane Shapes
- Unit 10.2 Properties of Plane Shapes in Geometry
- Unit 10.3 Making New Shapes
- Unit 10.4 Breaking Apart Shapes
- Unit 10.5 Move Shapes
- Unit 10.6 Congruence
- Unit 10.7 Symmetry
- Unit 10.8 Math Challenges

Lesson 11: Introduction to Geometry Part II

- Unit 11.1 Using an Organized List to Solve Problem
- Unit 11.2 Geometric Identification of Solid Figures
- Unit 11.3 Flat Surfaces and Vertices
- Unit 11.4 Count Edges and Faces
- Unit 11.5 Count Vertices and Sides
- Unit 11.6 Recognize same and different shapes
- Unit 11.7 Sorting Solid Figures in Geometry
- Unit 11.8 Math Challenges

Lesson 12: Understanding Patterns

- Unit 12.1 Pattern

- Unit 12.2 Describing Patterns
- Unit 12.3 Number Patterns
- Unit 12.4 Geometric Patterns
- Unit 12.5 Using Patterns to Predict
- Unit 12.6 Extending Shape Patterns
- Unit 12.7 Finding Patterns in Problem Solving
- Unit 12.8 Math Challenges

**Review of Lesson 9, 10, 11, and 12**

**Lesson 13: Exploring Number Patterns and Counting to 100 Part I**

- Unit 13.1 Numbers: 11 to 14
- Unit 13.2 Numbers: 15 to 17
- Unit 13.3 Numbers: 18 to 20
- Unit 13.4 Making Number 11 to 20 Part I
- Unit 13.5 Making Number 11 to 20 Part II
- Unit 13.6 Skip Count by Ten
- Unit 13.7 Math Challenges

**Lesson 14: Exploring Number Patterns and Counting to 100 Part II**

- Unit 14.1 Counting on a Chart
- Unit 14.2 Skip Counting
- Unit 14.3 Odd and Even Number
- Unit 14.4 Ordinal Numbers
- Unit 14.5 Number Patterns in Tables
- Unit 14.6 Patterns in Problem Solving
- Unit 14.7 Math Challenges

**Lesson 15: Understanding Tens and Ones**

- Unit 15.1 Counting Groups of 10 and Remainders
- Unit 15.2 Rounding Number to the Nearest Ten
- Unit 15.3 Numbers Composed of Tens Part I
- Unit 15.4 Numbers Composed of Tens Part II
- Unit 15.5 Tens and Ones
- Unit 15.6 Expanded form of Number
- Unit 15.7 Different Ways of Making Numbers
- Unit 15.8 Problem Solving
- Unit 15.9 Math Challenges

Lesson 16: Number Comparison and Ordering to 100

Unit 16.1 Using 1 More, 1 Less, 10 More, 10 Less

Unit 16.2 How to Make Numbers on a Hundred Chart

Unit 16.3 Number Comparison with '>', '<', or '='

Unit 16.4 Number Ordering with a Hundred Chart

Unit 16.5 Estimating Using a Number Line

Unit 16.6 Learning Before, After, and Between

Unit 16.7 Three Numbers Ordering

Unit 16.8 Making an Organized List

Unit 16.9 Math Challenges

Review of Lesson 13, 14, 15, and 16

Lesson 17: Introduction to Money Counting

Unit 17.1 Identify Penny, Nickel, Dime, and Quarter

Unit 17.2 Learning Penny and Nickel Values

Unit 17.3 Penny, Nickel, and Dime Values

Unit 17.4 Quarter Values

Unit 17.5 Half Dollar and Dollar Values

Unit 17.6 Math Challenges

Lesson 18: Counting Money

Unit 18.1 Counting Set of Coins

Unit 18.2 Equivalents Set of different coins

Unit 18.3 Least Number of Coins to Make Equivalent Amounts

Unit 18.4 Purchasing

Unit 18.5 Problem Solving

Unit 18.6 Math Challenges

Lesson 19: Measurement Concepts Part I

Unit 19.1 Length

Unit 19.2 Estimating and Measuring Length

Unit 19.3 Problems Solving

Unit 19.4 Inches and Feet

Unit 19.5 Centimeter and Meters

Unit 19.6 Perimeters

Unit 19.7 Comparing by Capacity

Unit 19.8 Math Challenges

Lesson 20: Measurement Concepts Part II

- Unit 20.1 Measuring Cups, Pints, and Quarts
- Unit 20.2 Measuring Liters
- Unit 20.3 Measuring, Comparing, and Ordering Weight
- Unit 20.4 Measuring Pounds
- Unit 20.5 Measuring Grams and Kilograms
- Unit 20.6 Temperature Ordering and Comparing
- Unit 20.7 Read a Thermometer Using ° F and ° C
- Unit 20.8 Math Challenges

Review of Lesson 17, 18, 19, and 20

Lesson 21: How to Tell Time Part I

- Unit 21.1 Understanding the Hour and Minute Hands
- Unit 21.2 How to Tell and Write Time to the Hour
- Unit 21.3 How to Tell and Write Time to the Half-Hour
- Unit 21.4 Estimating and Ordering Lengths of Time
- Unit 21.5 Recognize A.M. and P.M.
- Unit 21.6 Math Challenges

Lesson 22: How to Tell Time Part II

- Unit 22.1 Hours and Minutes Relationship
- Unit 22.2 Using Table Data to Solve Problem
- Unit 22.3 Understanding Days and Weeks
- Unit 22.4 Understanding the Calendar
- Unit 22.5 Math Challenges

Lesson 23: Introducing Addition Facts to 18

- Unit 23.1 Computing Doubles
- Unit 23.2 Computing Doubles and 1 more
- Unit 23.3 Computing Doubles and 2 more
- Unit 23.4 Problem Solving
- Unit 23.5 Addition Using a Ten-Frame
- Unit 23.6 More on Addition Using a Ten-Frame
- Unit 23.7 Addition When First Number are Missing
- Unit 23.8 Adding Three Numbers
- Unit 23.9 Making Tables in Problem Solving

Unit 23.10 Math Challenges

Lesson 24: Introducing Subtraction Facts to 18

Unit 24.1 Addition and Subtraction Facts Family Part I

Unit 24.2 Addition and Subtraction Facts Family Part II

Unit 24.3 Using Addition Facts to Subtract

Unit 24.4 Subtraction Fact Families

Unit 24.5 Subtraction When First Numbers are Missing

Unit 24.6 Problem Solving

Unit 24.7 Math Challenges

Review of Lesson 21, 22, 23, and 24

Lesson 25: Data and Graphs Exploration

Unit 25.1 Understanding Data and Graphs

Unit 25.2 Pictures Graphs

Unit 25.3 Bar Graphs

Unit 25.4 Location

Unit 25.5 Counting Data Using Tally Marks

Unit 25.6 Drawing Picture Graphs

Unit 25.7 Making Graphs in Problem Solving

Unit 25.8 Math Challenges

Lesson 26: Identifying Fractions

Unit 26.1 Equal and Unequal Parts

Unit 26.2 Fractions

Unit 26.3 Making Parts of a Set

Unit 26.4 Describing Parts of Set

Unit 26.5 Problem Solving

Unit 26.6 Math Challenges

Lesson 27: Addition and Subtraction Using Tens and Ones

Unit 27.1 Addition of Groups of Tens

Unit 27.2 Using a Hundred Chart to Add Tens

Unit 27.3 Computing Two Numbers by Adding Tens

Unit 27.4 Two-Digit Number Addition

Unit 27.5 Use a Hundred Chart to Subtracting Tens

Unit 27.6 Use Cubes to Subtract Tens



Unit 27.7 Two-Digit Number Subtraction

Unit 27.8 Problem Solving

Unit 27.9 Math Challenges

Review of Lesson 1 to 14

Review of Lesson 15 to 27