



Arkansas Mathematics Frameworks

Matched to

SkillsTutor & CornerStone Math Level A

Grades 3rd- 4th

STRAND: NUMBER SENSE, PROPERTIES, AND OPERATIONS

CONTENT STANDARD 1

The student will communicate an understanding of the properties of numbers and operations (add, subtract, multiply, divide).

NPO.1.1. Demonstrate number sense (concepts of counting, grouping, and place value) using manipulatives.

Understanding Numbers:

Understanding Numbers: Lesson 1: Place Value

Understanding Numbers: Lesson 2: Numbers and Word Names

Understanding Numbers: Lesson 3: Problem-Solving Lesson

Understanding Numbers: Lesson 4: Comparing and Ordering Numbers

NPO.1.2. Develop meaning for the operations (add, subtract, multiply, and divide) by modeling and discussing a variety of problem situations.

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 1: Basic Addition Facts

Using Addition and Subtraction: Lesson 2: Basic Subtraction Facts

Using Addition and Subtraction: Lesson 3: Open Sentences

Using Addition and Subtraction: Lesson 4: Problem-Solving Lesson

Using Addition and Subtraction: Lesson 5: Estimation by Rounding

Using Addition and Subtraction: Lesson 6: Addition

Using Addition and Subtraction: Lesson 7: Subtraction

Using Addition and Subtraction: Lesson 8: Patterns

Using Addition and Subtraction: Lesson 9: Problem-Solving Lesson

Using Multiplication and Division

Using Multiplication and Division: Lesson 1: Basic Multiplication Facts

Using Multiplication and Division: Lesson 2: Basic Division Facts

Using Multiplication and Division: Lesson 3: Open Sentences

Using Multiplication and Division: Lesson 4: Problem-Solving Lesson

Using Multiplication and Division: Lesson 5: Estimation by Rounding

Using Multiplication and Division: Lesson 6: One-Digit Multipliers

Using Multiplication and Division: Lesson 7: One-Digit Divisors

Using Multiplication and Division: Lesson 8: Problem-Solving Lesson

Using Multiplication and Division: Lesson 9: Two-Digit Multipliers

Using Multiplication and Division: Lesson 10: Two-Digit Divisors

Using Multiplication and Division: Lesson 11: Problem-Solving Lesson

Using Decimals and Fractions

Using Decimals and Fractions: Lesson 1: Fractions

Using Decimals and Fractions: Lesson 2: Decimals and Percents
Using Decimals and Fractions: Lesson 3: Addition of Decimals
Using Decimals and Fractions: Lesson 4: Subtraction of Decimals
Using Decimals and Fractions: Lesson 5: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 6: Multiplication of Decimals
Using Decimals and Fractions: Lesson 7: Division of Decimals
Using Decimals and Fractions: Lesson 8: Equivalent Forms
Using Decimals and Fractions: Lesson 9: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 10: Addition of Fractions
Using Decimals and Fractions: Lesson 11: Subtraction of Fractions
Using Decimals and Fractions: Lesson 12: Multiplication of Fractions
Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

NPO.1.3. Apply and master counting, grouping, place value, and estimation.

Understanding Numbers:

Understanding Numbers: Lesson 1: Place Value
Understanding Numbers: Lesson 2: Numbers and Word Names
Understanding Numbers: Lesson 3: Problem-Solving Lesson
Understanding Numbers: Lesson 4: Comparing and Ordering Numbers
Understanding Numbers: Lesson 5: Temperature
Understanding Numbers: Lesson 6: Problem-Solving Lesson

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 1: Basic Addition Facts
Using Addition and Subtraction: Lesson 2: Basic Subtraction Facts
Using Addition and Subtraction: Lesson 3: Open Sentences
Using Addition and Subtraction: Lesson 4: Problem-Solving Lesson
Using Addition and Subtraction: Lesson 5: Estimation by Rounding
Using Addition and Subtraction: Lesson 6: Addition
Using Addition and Subtraction: Lesson 7: Subtraction
Using Addition and Subtraction: Lesson 8: Patterns
Using Addition and Subtraction: Lesson 9: Problem-Solving Lesson

Using Multiplication and Division

Using Multiplication and Division: Lesson 1: Basic Multiplication Facts
Using Multiplication and Division: Lesson 2: Basic Division Facts
Using Multiplication and Division: Lesson 3: Open Sentences
Using Multiplication and Division: Lesson 4: Problem-Solving Lesson
Using Multiplication and Division: Lesson 5: Estimation by Rounding
Using Multiplication and Division: Lesson 6: One-Digit Multipliers
Using Multiplication and Division: Lesson 7: One-Digit Divisors
Using Multiplication and Division: Lesson 8: Problem-Solving Lesson
Using Multiplication and Division: Lesson 9: Two-Digit Multipliers
Using Multiplication and Division: Lesson 10: Two-Digit Divisors
Using Multiplication and Division: Lesson 11: Problem-Solving Lesson

Using Decimals and Fractions

Using Decimals and Fractions: Lesson 1: Fractions
Using Decimals and Fractions: Lesson 2: Decimals and Percents
Using Decimals and Fractions: Lesson 3: Addition of Decimals
Using Decimals and Fractions: Lesson 4: Subtraction of Decimals
Using Decimals and Fractions: Lesson 5: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 6: Multiplication of Decimals
Using Decimals and Fractions: Lesson 7: Division of Decimals
Using Decimals and Fractions: Lesson 8: Equivalent Forms
Using Decimals and Fractions: Lesson 9: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 10: Addition of Fractions

Using Decimals and Fractions: Lesson 11: Subtraction of Fractions
Using Decimals and Fractions: Lesson 12: Multiplication of Fractions
Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

NPO.1.4. Solve problems using terminology and symbols of operations (add, subtract, multiply, and divide).

Understanding Numbers:

Understanding Numbers: Lesson 3: Problem-Solving Lesson
Understanding Numbers: Lesson 6: Problem-Solving Lesson

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 4: Problem-Solving Lesson
Using Addition and Subtraction: Lesson 9: Problem-Solving Lesson

Using Multiplication and Division

Using Multiplication and Division: Lesson 4: Problem-Solving Lesson
Using Multiplication and Division: Lesson 8: Problem-Solving Lesson
Using Multiplication and Division: Lesson 11: Problem-Solving Lesson

Using Decimals and Fractions

Using Decimals and Fractions: Lesson 5: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 9: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

Working with Data

Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 7: Problem-Solving Lesson

NPO.1.5. Demonstrate competency of operations (add, subtract, multiply and divide) using mental math and technology.

Understanding Numbers:

Understanding Numbers: Lesson 1: Place Value
Understanding Numbers: Lesson 2: Numbers and Word Names
Understanding Numbers: Lesson 3: Problem-Solving Lesson
Understanding Numbers: Lesson 4: Comparing and Ordering Numbers
Understanding Numbers: Lesson 5: Temperature
Understanding Numbers: Lesson 6: Problem-Solving Lesson

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 1: Basic Addition Facts
Using Addition and Subtraction: Lesson 2: Basic Subtraction Facts
Using Addition and Subtraction: Lesson 3: Open Sentences
Using Addition and Subtraction: Lesson 4: Problem-Solving Lesson
Using Addition and Subtraction: Lesson 5: Estimation by Rounding
Using Addition and Subtraction: Lesson 6: Addition
Using Addition and Subtraction: Lesson 7: Subtraction
Using Addition and Subtraction: Lesson 8: Patterns
Using Addition and Subtraction: Lesson 9: Problem-Solving Lesson

Using Multiplication and Division

Using Multiplication and Division: Lesson 1: Basic Multiplication Facts
Using Multiplication and Division: Lesson 2: Basic Division Facts
Using Multiplication and Division: Lesson 3: Open Sentences
Using Multiplication and Division: Lesson 4: Problem-Solving Lesson
Using Multiplication and Division: Lesson 5: Estimation by Rounding
Using Multiplication and Division: Lesson 6: One-Digit Multipliers
Using Multiplication and Division: Lesson 7: One-Digit Divisors
Using Multiplication and Division: Lesson 8: Problem-Solving Lesson

Using Multiplication and Division: Lesson 9: Two-Digit Multipliers
Using Multiplication and Division: Lesson 10: Two-Digit Divisors
Using Multiplication and Division: Lesson 11: Problem-Solving Lesson

Using Decimals and Fractions

Using Decimals and Fractions: Lesson 1: Fractions
Using Decimals and Fractions: Lesson 2: Decimals and Percents
Using Decimals and Fractions: Lesson 3: Addition of Decimals
Using Decimals and Fractions: Lesson 4: Subtraction of Decimals
Using Decimals and Fractions: Lesson 5: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 6: Multiplication of Decimals
Using Decimals and Fractions: Lesson 7: Division of Decimals
Using Decimals and Fractions: Lesson 8: Equivalent Forms
Using Decimals and Fractions: Lesson 9: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 10: Addition of Fractions
Using Decimals and Fractions: Lesson 11: Subtraction of Fractions
Using Decimals and Fractions: Lesson 12: Multiplication of Fractions
Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

NPO.1.6. Use manipulatives to demonstrate and compare rational numbers/fractions (e.g., find simple parts of a whole).

Using Decimals and Fractions

Using Decimals and Fractions: Lesson 1: Fractions
Using Decimals and Fractions: Lesson 2: Decimals and Percents
Using Decimals and Fractions: Lesson 3: Addition of Decimals
Using Decimals and Fractions: Lesson 4: Subtraction of Decimals
Using Decimals and Fractions: Lesson 5: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 6: Multiplication of Decimals
Using Decimals and Fractions: Lesson 7: Division of Decimals
Using Decimals and Fractions: Lesson 8: Equivalent Forms
Using Decimals and Fractions: Lesson 9: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 10: Addition of Fractions
Using Decimals and Fractions: Lesson 11: Subtraction of Fractions
Using Decimals and Fractions: Lesson 12: Multiplication of Fractions
Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

STRAND: NUMBER SENSE, PROPERTIES, AND OPERATIONS

CONTENT STANDARD 2

The student will demonstrate and apply knowledge of numbers and numerical relationships to real-world situations.

STUDENT LEARNING EXPECTATIONS

GRADES K-4

NPO.2.1. Represent numbers and operations (add, subtract, multiply, and divide) in a variety of forms using manipulatives, symbols, and graphs (pictographs, etc.).

Understanding Numbers:

Understanding Numbers: Lesson 1: Place Value
Understanding Numbers: Lesson 2: Numbers and Word Names

Understanding Numbers: Lesson 3: Problem-Solving Lesson
Understanding Numbers: Lesson 4: Comparing and Ordering Numbers
Understanding Numbers: Lesson 5: Temperature
Understanding Numbers: Lesson 6: Problem-Solving Lesson

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 1: Basic Addition Facts
Using Addition and Subtraction: Lesson 2: Basic Subtraction Facts
Using Addition and Subtraction: Lesson 3: Open Sentences
Using Addition and Subtraction: Lesson 4: Problem-Solving Lesson
Using Addition and Subtraction: Lesson 5: Estimation by Rounding
Using Addition and Subtraction: Lesson 6: Addition
Using Addition and Subtraction: Lesson 7: Subtraction
Using Addition and Subtraction: Lesson 8: Patterns
Using Addition and Subtraction: Lesson 9: Problem-Solving Lesson

Using Multiplication and Division

Using Multiplication and Division: Lesson 1: Basic Multiplication Facts
Using Multiplication and Division: Lesson 2: Basic Division Facts
Using Multiplication and Division: Lesson 3: Open Sentences
Using Multiplication and Division: Lesson 4: Problem-Solving Lesson
Using Multiplication and Division: Lesson 5: Estimation by Rounding
Using Multiplication and Division: Lesson 6: One-Digit Multipliers
Using Multiplication and Division: Lesson 7: One-Digit Divisors
Using Multiplication and Division: Lesson 8: Problem-Solving Lesson
Using Multiplication and Division: Lesson 9: Two-Digit Multipliers
Using Multiplication and Division: Lesson 10: Two-Digit Divisors
Using Multiplication and Division: Lesson 11: Problem-Solving Lesson

Using Decimals and Fractions

Using Decimals and Fractions: Lesson 1: Fractions
Using Decimals and Fractions: Lesson 2: Decimals and Percents
Using Decimals and Fractions: Lesson 3: Addition of Decimals
Using Decimals and Fractions: Lesson 4: Subtraction of Decimals
Using Decimals and Fractions: Lesson 5: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 6: Multiplication of Decimals
Using Decimals and Fractions: Lesson 7: Division of Decimals
Using Decimals and Fractions: Lesson 8: Equivalent Forms
Using Decimals and Fractions: Lesson 9: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 10: Addition of Fractions
Using Decimals and Fractions: Lesson 11: Subtraction of Fractions
Using Decimals and Fractions: Lesson 12: Multiplication of Fractions
Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

Working with Data

Working with Data: Lesson 1: Pictographs
Working with Data: Lesson 2: Bar Graphs
Working with Data: Lesson 3: Graphing Ordered Pairs
Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 5: Line Graphs
Working with Data: Lesson 6: Circle Graphs
Working with Data: Lesson 7: Problem-Solving Lesson

NPO.2.2. Apply elementary number theory (skip counting, patterns, number series, odd and even numbers, multiples, fractions, etc.).

Understanding Numbers:

Understanding Numbers: Lesson 1: Place Value
Understanding Numbers: Lesson 2: Numbers and Word Names

Understanding Numbers: Lesson 3: Problem-Solving Lesson
Understanding Numbers: Lesson 4: Comparing and Ordering Numbers
Understanding Numbers: Lesson 5: Temperature
Understanding Numbers: Lesson 6: Problem-Solving Lesson

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 1: Basic Addition Facts
Using Addition and Subtraction: Lesson 2: Basic Subtraction Facts
Using Addition and Subtraction: Lesson 3: Open Sentences
Using Addition and Subtraction: Lesson 4: Problem-Solving Lesson
Using Addition and Subtraction: Lesson 5: Estimation by Rounding
Using Addition and Subtraction: Lesson 6: Addition
Using Addition and Subtraction: Lesson 7: Subtraction
Using Addition and Subtraction: Lesson 8: Patterns
Using Addition and Subtraction: Lesson 9: Problem-Solving Lesson

Using Multiplication and Division

Using Multiplication and Division: Lesson 1: Basic Multiplication Facts
Using Multiplication and Division: Lesson 2: Basic Division Facts
Using Multiplication and Division: Lesson 3: Open Sentences
Using Multiplication and Division: Lesson 4: Problem-Solving Lesson
Using Multiplication and Division: Lesson 5: Estimation by Rounding
Using Multiplication and Division: Lesson 6: One-Digit Multipliers
Using Multiplication and Division: Lesson 7: One-Digit Divisors
Using Multiplication and Division: Lesson 8: Problem-Solving Lesson
Using Multiplication and Division: Lesson 9: Two-Digit Multipliers
Using Multiplication and Division: Lesson 10: Two-Digit Divisors
Using Multiplication and Division: Lesson 11: Problem-Solving Lesson

Using Decimals and Fractions

Using Decimals and Fractions: Lesson 1: Fractions
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Using Decimals and Fractions: Lesson 4: Subtraction of Decimals
Using Decimals and Fractions: Lesson 5: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 6: Multiplication of Decimals
Using Decimals and Fractions: Lesson 7: Division of Decimals
Using Decimals and Fractions: Lesson 8: Equivalent Forms
Using Decimals and Fractions: Lesson 9: Problem-Solving Lesson
Using Decimals and Fractions: Lesson 10: Addition of Fractions
Using Decimals and Fractions: Lesson 11: Subtraction of Fractions
Using Decimals and Fractions: Lesson 12: Multiplication of Fractions
Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

Working with Data

Working with Data: Lesson 1: Pictographs
Working with Data: Lesson 2: Bar Graphs
Working with Data: Lesson 3: Graphing Ordered Pairs
Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 5: Line Graphs
Working with Data: Lesson 6: Circle Graphs
Working with Data: Lesson 7: Problem-Solving Lesson

NPO.2.3. Apply computation (add, subtract, multiply, and divide) and estimation to real-world problems.

Understanding Numbers:

Understanding Numbers: Lesson 3: Problem-Solving Lesson
Understanding Numbers: Lesson 6: Problem-Solving Lesson

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 4: Problem-Solving Lesson

Using Addition and Subtraction: Lesson 9: Problem-Solving Lesson

Using Multiplication and Division

Using Multiplication and Division: Lesson 4: Problem-Solving Lesson

Using Multiplication and Division: Lesson 8: Problem-Solving Lesson

Using Multiplication and Division: Lesson 11: Problem-Solving Lesson

Using Decimals and Fractions

Using Decimals and Fractions: Lesson 5: Problem-Solving Lesson

Using Decimals and Fractions: Lesson 9: Problem-Solving Lesson

Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

Working with Data

Working with Data: Lesson 4: Problem-Solving Lesson

Working with Data: Lesson 7: Problem-Solving Lesson

NPO.2.4. Use mental math, manipulatives, and technology to solve problems.**Understanding Numbers:**

Understanding Numbers: Lesson 3: Problem-Solving Lesson

Understanding Numbers: Lesson 6: Problem-Solving Lesson

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 4: Problem-Solving Lesson

Using Addition and Subtraction: Lesson 9: Problem-Solving Lesson

Using Multiplication and Division

Using Multiplication and Division: Lesson 4: Problem-Solving Lesson

Using Multiplication and Division: Lesson 8: Problem-Solving Lesson

Using Multiplication and Division: Lesson 11: Problem-Solving Lesson

Using Decimals and Fractions

Using Decimals and Fractions: Lesson 5: Problem-Solving Lesson

Using Decimals and Fractions: Lesson 9: Problem-Solving Lesson

Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

Working with Data

Working with Data: Lesson 4: Problem-Solving Lesson

Working with Data: Lesson 7: Problem-Solving Lesson

NPO.2.5. Describe and compare quantities by using concrete and real-world models of fractions.**Using Decimals and Fractions**

Using Decimals and Fractions: Lesson 1: Fractions

Using Decimals and Fractions: Lesson 10: Addition of Fractions

Using Decimals and Fractions: Lesson 11: Subtraction of Fractions

Using Decimals and Fractions: Lesson 12: Multiplication of Fractions

Using Decimals and Fractions: Lesson 13: Problem-Solving Lesson

STRAND: MEASUREMENT**CONTENT STANDARD 1**

The student will use measurement attributes (length, capacity, weight, mass, area, volume, time, money, temperature, scale and angle) to describe and compare mathematical and real-world objects.

STUDENT LEARNING EXPECTATIONS GRADES K-4

M.1.1. Demonstrate and apply the concept of comparison (large, small, long, short, etc.) according to given attributes (length, capacity, weight, mass, etc.).

Understanding Numbers:

Understanding Numbers: Lesson 5: Temperature

M.1.2. Select, demonstrate, and defend the use of appropriate units of measure.

Understanding Numbers:

Understanding Numbers: Lesson 5: Temperature

M.1.3. Convert from one measurement to another within the same system (feet to yards, centimeters to meters, etc.).

Understanding Numbers:

Understanding Numbers: Lesson 5: Temperature

CONTENT STANDARD 2

The student will demonstrate the appropriate use of measuring instruments.

STUDENT LEARNING EXPECTATIONS GRADES K-4

M.2.1. Select and use appropriate standard (inches, feet), non-standard (paper clip, thumbnail), and metric (centimeter, meter) measuring instruments (e.g., rulers, scales, measuring tape, yard stick, meter stick, thermometer, etc.).

Understanding Numbers:

Understanding Numbers: Lesson 5: Temperature

CONTENT STANDARD 3

The student will apply measurement concepts to solve problems inside and outside the field of mathematics.

STUDENT LEARNING EXPECTATIONS GRADES K-4

M.3.1. Estimate and measure quantities such as weight, length, area, volume, money, time, and temperature.

Understanding Numbers:

Understanding Numbers: Lesson 5: Temperature

M.3.2. Solve problems using measuring instruments and technology.

Understanding Numbers:

Understanding Numbers: Lesson 6: Problem-Solving Lesson

M.3.3. Pose problems using customary (inches, feet, etc.), non-standard (paper clip, thumbnail, etc.), and metric measurements (centimeters, meters, etc.) in real-world situations.

STRAND: DATA ANALYSIS, STATISTICS AND PROBABILITY**CONTENT STANDARD 1**

The student will perform the steps that comprise data analysis, from gathering information to communicating results.

**STUDENT LEARNING EXPECTATIONS
GRADES K-4**

DSP.1.1.A. Identify the purpose (problem statement) for data collection.

Working with Data

Working with Data: Lesson 1: Pictographs
Working with Data: Lesson 2: Bar Graphs
Working with Data: Lesson 3: Graphing Ordered Pairs
Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 5: Line Graphs
Working with Data: Lesson 6: Circle Graphs
Working with Data: Lesson 7: Problem-Solving Lesson

DSP.1.1.B. Make a prediction about the final results of data collected.

Working with Data

Working with Data: Lesson 1: Pictographs
Working with Data: Lesson 2: Bar Graphs
Working with Data: Lesson 3: Graphing Ordered Pairs
Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 5: Line Graphs
Working with Data: Lesson 6: Circle Graphs
Working with Data: Lesson 7: Problem-Solving Lesson

DSP.1.1.C. Collect and organize data (tables, graphs, etc.).

Working with Data

Working with Data: Lesson 1: Pictographs
Working with Data: Lesson 2: Bar Graphs
Working with Data: Lesson 3: Graphing Ordered Pairs
Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 5: Line Graphs
Working with Data: Lesson 6: Circle Graphs
Working with Data: Lesson 7: Problem-Solving Lesson

DSP.1.1.D. Analyze and interpret data (prediction, inference, conclusion, etc.).

Working with Data

Working with Data: Lesson 1: Pictographs
Working with Data: Lesson 2: Bar Graphs
Working with Data: Lesson 3: Graphing Ordered Pairs
Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 5: Line Graphs
Working with Data: Lesson 6: Circle Graphs
Working with Data: Lesson 7: Problem-Solving Lesson

DSP.1.1.E. Display data using appropriate bar graphs, line graphs, tables, pie graphs, etc., with and without technology.

Working with Data

Working with Data: Lesson 1: Pictographs
Working with Data: Lesson 2: Bar Graphs
Working with Data: Lesson 3: Graphing Ordered Pairs
Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 5: Line Graphs
Working with Data: Lesson 6: Circle Graphs
Working with Data: Lesson 7: Problem-Solving Lesson

DSP.1.2. Explain the results of data collection using oral and written communication.

Working with Data

Working with Data: Lesson 1: Pictographs
Working with Data: Lesson 2: Bar Graphs
Working with Data: Lesson 3: Graphing Ordered Pairs
Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 5: Line Graphs
Working with Data: Lesson 6: Circle Graphs
Working with Data: Lesson 7: Problem-Solving Lesson

CONTENT STANDARD 2

The student will use probability models to perform experiments and simulations.

DSP.2.2. Record the results of data collection with a variety of formats that could include charts, graphs, tables, technology, using oral and/or written communication.

Working with Data

Working with Data: Lesson 1: Pictographs
Working with Data: Lesson 2: Bar Graphs
Working with Data: Lesson 3: Graphing Ordered Pairs
Working with Data: Lesson 4: Problem-Solving Lesson
Working with Data: Lesson 5: Line Graphs
Working with Data: Lesson 6: Circle Graphs
Working with Data: Lesson 7: Problem-Solving Lesson

STRAND: PATTERNS, ALGEBRA AND FUNCTIONS

CONTENT STANDARD 1

The student will use the language/symbols of algebra to represent patterns and functions.

GRADES K-4

PAF1.1. Sort and classify a wide variety of materials.

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 8: Patterns

PAF1.2. Describe, extend, and create a wide variety of patterns using concrete models.

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 8: Patterns

PAF1.4. Demonstrate the beginning concept of a variable. (Use boxes, letters, or other symbols to stand for any number or object in simple situations, with or without concrete material, such as $6 + \underline{\quad} = 8$ or $3 + B = 4$, etc.).

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 3: Open Sentences

Using Addition and Subtraction: Lesson 4: Problem-Solving Lesson

Using Addition and Subtraction: Lesson 9: Problem-Solving Lesson

Using Multiplication and Division

Using Multiplication and Division: Lesson 3: Open Sentences

Using Multiplication and Division: Lesson 4: Problem-Solving Lesson

Using Multiplication and Division: Lesson 11: Problem-Solving Lesson

PAF1.6. Use oral and/ or written communication to interpret created patterns.

Using Addition and Subtraction

Using Addition and Subtraction: Lesson 8: Patterns