**Northpoint Horizons**

***Math Elevations™ (Comprehensive Intervention System)***
**Correlated to the**
**Arizona Academic Standards for Mathematics**

This document provides a sampling of the extensive math directives offered throughout the *Math Elevations* program that meet the Arizona Academic Standards for Mathematics.

| ***Grade 4 Performance Objectives*** | ***Process Integration*** | ***Math Elevations* Teacher's Guide Level D (Grade 4) Lesson Examples** |
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| **Concept 1: Number Sense** | | |
| PO 1. Express whole numbers, fractions, decimals, and percents using and connecting multiple representations.<br><br>Connections: M04-S1C1-03, M04-S1C1-04, M04-S1C1-05, M04-S1C2-01, M04-S1C3-01, M04-S2C2-01, M04-S4C4-02 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 4 –<br>Lesson 2: *Equivalent Fractions* pp. 74-75<br>Unit 4 –<br>Lesson 3: *Converting Between Improper Fractions and Mixed Numbers* pp. 76-77<br>Unit 4 –<br>Lesson 4: *Fractions and Mixed Numbers as Decimals* pp. 78-79 |
| PO 3. Express fractions as fair sharing, parts of a whole, parts of a set, and locations on a real number line.<br><br>Connections: M04-S1C1-01, M04-S1C1-05 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 4 –<br>Lesson 1: *Comparing and Ordering Fractions* pp. 72-73<br>Unit 4 –<br>Lesson 2: *Equivalent Fractions* pp. 74-75 |
| **Strand 1: Number and Operations**<br>**Concept 2: Numerical Operations** | | |
| PO 1. Add and subtract decimals through hundredths including money to $1000.00 and fractions with like denominators.<br><br>Connections: M04-S1C1-01, M04-S1C2-06, M04-S1C3-02, M04-S5C1-01, SS04-S5C1-01 | M04-S5C2-04. Determine whether a problem to be solved is similar to previously solved problems, and identify possible strategies for solving the problem.<br><br>M04-S5C2-05. Represent a problem | Unit 2 –<br>Lesson 3: *Making Change* pp. 40-41 |

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| | situation using any combination of words, numbers, pictures, physical objects, or symbols.<br><br>M04-S5C2-07. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | |
| PO 2. Use multiple strategies to multiply whole numbers<br>two-digit by two-digit and<br>multi-digit by one-digit.<br><br>Connections: M04-S1C2-03, M04-S1C2-05, M04-S1C2-06, M04-S1C3-02, M04-S3C3-02, M04-S5C1-01 | M04-S5C2-04. Determine whether a problem to be solved is similar to previously solved problems, and identify possible strategies for solving the problem.<br><br>M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols.<br><br>M04-S5C2-07. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | Unit 3 –<br>Lesson 3: *Multiplication by One-Digit Numbers* pp. 58-59<br>Unit 3 –<br>Lesson 4: *Multiplication by Two-Digit Numbers* pp. 60-61 |
| PO 3. Demonstrate fluency of multiplication and division facts through 12.<br><br>Connections: M04-S1C1-02, M04-S1C2-02, M04-S1C2-04 | M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection. | Unit 3 –<br>Lesson 3: *Multiplication by One-Digit Numbers* pp. 58-59<br>Unit 3 –<br>Lesson 5: *Division with Remainders* pp. 62-63 |
| PO 4. Use multiple strategies to divide whole numbers.<br><br>Connections: M04-S1C2-03, M04-S1C2-05, M04-S1C2-06, M04-S1C3-02, M04-S3C3-02, M04-S5C1-01 | M04-S5C2-04. Determine whether a problem to be solved is similar to previously solved problems, and identify possible strategies for solving the problem.<br><br>M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or | Unit 3 –<br>Lesson 7: *Long Division (Three-Digit ÷ One-Digit Numbers)* pp. 66-67<br>Unit 3 –<br>Lesson 8: *Word Problems* pp. 68-69 |

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| | symbols.<br><br>M04-S5C2-07. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | |
| PO 6. Apply order of operations with whole numbers.<br><br>Connections: M04-S1C2-01, M04-S1C2-02, M04-S1C2-04, M04-S1C2-05, M04-S5C1-01 | M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection. | Unit 5 –<br>Lesson 1: *Order of Operations* pp. 90-91 |
| **Strand 1: Number and Operations**<br>**Concept 3: Estimation** | | |
| PO 1. Use benchmarks as meaningful points of comparison for whole numbers, decimals, and fractions.<br><br>Connections: M04-S1C1-01, M04-S1C1-04, M04-S1C3-02, M04-S2C2-01, M04-S4C4-02 | M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection.<br><br>M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 1 –<br>Lesson 2: *Comparing Numbers* pp. 20-21<br>Unit 1 –<br>Lesson 6: *Fractions as Decimals* pp. 28-29<br>Unit 1 –<br>Lesson 7: *Comparing and Rounding Decimals* pp. 30-31<br>Unit 4 –<br>Lesson 1: *Comparing and Ordering Fractions* pp. 72-73<br>Unit 4 –<br>Lesson 2: *Equivalent Fractions* pp. 74-75<br>Unit 4 –<br>Lesson 3: *Converting Between Improper Fractions and Mixed Numbers* pp. 76-77<br>Unit 4 –<br>Lesson 4: *Fractions and Mixed Numbers as Decimals* pp. 78-79 |
| PO 2. Make estimates appropriate to a given situation or computation with whole numbers and fractions.<br><br>Connections: M04-S1C2-01, M04-S1C2- | M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection.<br><br>M04-S5C2-04. Determine whether a problem to be solved is similar to | Unit 1 –<br>Lesson 3: *Rounding* pp. 22-23 |

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| 02, M04-S1C2-04, M04-S1C3-01, M04-S2C1-02, M04-S2C3-01, M04-S2C4-03, M04-S3C1-02, M04-S3C3-02, M04-S3C4-01, M04-S4C4-01, M04-S4C4-02, M04-S4C4-03, M04-S4C4-04, M04-S4C4-05, M04-S5C1-01 | previously solved problems, and identify possible strategies for solving the problem.<br><br>M04-S5C2-07. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | |
| **Strand 2: Data Analysis, Probability, and Discrete Mathematics**<br>**Concept 1: Data Analysis (Statistics)** | | |
| PO 1. Collect, record, organize, and display data using double bar graphs, single line graphs, or circle graphs.<br><br>Connections: M04-S2C1-02, M04-S4C3-02, SC04-S1-C2-05, SC04-S1C4-02, SS04-S4C1-04 | M04-S5C2-08. Make and test conjectures based on data (or information) collected from explorations and experiments. | Unit 8 –<br>Lesson 4: *Bar Graphs* pp. 150-151<br>Unit 8 –<br>Lesson 5: *Line Graphs* pp. 152-153 |
| PO 2. Formulate and answer questions by interpreting and analyzing displays of data, including double bar graphs, single line graphs, or circle graphs.<br><br>Connections: M04-S1C3-02, M04-S2C1-01, M04-S2C1-03, M04-S2C1-04, M04-S3C4-01, SC04-S1C1-02, SC04-S1C1-03, SC04-S1C3-01, SC04-S1C3-02, SC04-S1C3-04, SC04-S1C3-05, SS04-S1C1-01, SS04-S2C1-01, SS04-S4C6-03 | M04-S5C2-02. Identify relevant, missing, and extraneous information related to the solution to a problem.<br><br>M04-S5C2-06. Summarize mathematical information, explain reasoning, and draw conclusions. | Unit 8 –<br>Lesson 3: *Pictographs* pp. 148-149<br>Unit 8 –<br>Lesson 4: *Bar Graphs* pp. 150-151<br>Unit 8 –<br>Lesson 5: *Line Graphs* pp. 152-153<br>Unit 8 –<br>Lesson 6: *Venn Diagrams* pp. 154-155 |

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| PO 3. Use median, mode, and range to describe the distribution of a given data set.<br><br>Connections: M04-S2C1-02, M04-S2C1-04 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols.<br><br>M04-S5C2-06. Summarize mathematical information, explain reasoning, and draw conclusions. | Unit 8 –<br>Lesson 2: *Mode and Mean* pp. 146-147 |
| PO 4. Compare two sets of related data.<br><br>Connections: M04-S1C2-02, M04-S1C2-03, M04-S2C1-03, SC04-S1C4-03 | M04-S5C2-02. Identify relevant, missing, and extraneous information related to the solution to a problem.<br><br>M04-S5C2-06. Summarize mathematical information, explain reasoning, and draw conclusions. | Unit 8 –<br>Lesson 6: *Venn Diagrams* pp. 154-155 |
| **Strand 2: Data Analysis, Probability, and Discrete Mathematics**<br>**Concept 2: Probability** | | |
| PO 1. Describe elements of theoretical probability by listing or drawing all possible outcomes of a given event and predicting the outcome using word and number benchmarks.<br><br>Connections: M04-S1C1-01, M04-S1C1-05, M04-S1C3-01 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols.<br>M04-S5C2-06. Summarize mathematical information, explain reasoning, and draw conclusions. | Unit 8 –<br>Lesson 7: *Determining Possible Outcomes* pp. 156-157<br>Unit 8 –<br>Lesson 8: *Probability* pp. 158-159 |
| **Strand 2: Data Analysis, Probability, and Discrete Mathematics**<br>**Concept 3: Systematic Listing and Counting** | | |
| PO 1. Construct tree diagrams to solve problems in context by<br>representing all possibilities for a variety of counting problems,<br>explaining how its properties relate to the problem,<br>representing the same counting problem in multiple ways, and drawing conclusions.<br><br>Connections: M04-S1C3-02, M04-S2C3- | M04-S5C2-02. Identify relevant, missing, and extraneous information related to the solution to a problem.<br><br>M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 8 –<br>Lesson 7: *Determining Possible Outcomes* pp. 156-157 |

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| PO 2. Justify that all possibilities have been enumerated without duplication.<br>Connections: M04-S2C3-01 | M04-S5C2-07. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | Unit 8 –<br>Lesson 7: *Determining Possible Outcomes* pp. 156-157 |
| **Strand 3: Patterns, Algebra, and Functions**<br>**Concept 1: Patterns** | | |
| PO 1. Recognize, describe, create, extend, and find missing terms in a numerical sequence involving whole numbers using all four basic operations.<br><br>Connections: M04-S3C1-02 | M04-S5C2-06. Summarize mathematical information, explain reasoning, and draw conclusions. | Unit 5 –<br>Lesson 4: *Functional Relationships* pp. 96-97<br>Unit 5 –<br>Lesson 5: *Linear Functions* pp. 98-99 |
| PO 2. Explain the rule for a given numerical sequence, verify that the rule works, and use the rule to make predictions.<br><br>Connections: M04-S1C3-02, M04-S3C1-01, M04-S3C3-01, M04-S3C4-01 | M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection.<br><br>M04-S5C2-06. Summarize mathematical information, explain reasoning, and draw conclusions. | Unit 5 –<br>Lesson 4: *Functional Relationships* pp. 96-97<br>Unit 5 –<br>Lesson 5: *Linear Functions* pp. 98-99 |
| **Strand 3: Patterns, Algebra, and Functions**<br>**Concept 3: Algebraic Representations** | | |
| PO 1. Use a symbol to represent an unknown quantity in a simple algebraic expression involving all operations.<br><br>Connections: M04-S3C1-02, M04-S3C3-02 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 5 –<br>Lesson 2: *Solving Open Sentences (Addition and Subtraction)* pp. 92-93<br>Unit 5 –<br>Lesson 3: *Solving Open Sentences (Multiplication and Division)* pp. 94-95<br>Unit 5 –<br>Lesson 6: *Writing Simple Algebraic Equations* pp. 100-101 |

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| PO 2. Create and solve one-step equations that can be solved using addition, subtraction, multiplication, and division of whole numbers.<br><br>Connections: M04-S1C2-02, M04-S1C2-04, M04-S1C3-02, M04-S3C3-01 | M04-S5C2-01. Analyze a problem situation to determine the question(s) to be answered.<br><br>M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 5 –<br>Lesson 2: *Solving Open Sentences (Addition and Subtraction)* pp. 92-93<br>Unit 5 –<br>Lesson 3: *Solving Open Sentences (Multiplication and Division)* pp. 94-95<br>Unit 5 –<br>Lesson 6: *Writing Simple Algebraic Equations* pp. 100-101 |
| **Strand 3: Patterns, Algebra, and Functions**<br>**Concept 4: Analysis of Change** | | |
| PO 1. Identify the change in a quantity over time and make simple predictions.<br><br>Connections: M04-S1C3-02, M04-S2C1-02, M04-S3-C1-02, SS04-S5C5-01 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 5 –<br>Lesson 4: *Functional Relationships* pp. 96-97<br>Unit 5 –<br>Lesson 5: *Linear Functions* pp. 98-99 |
| **Strand 4: Geometry and Measurement**<br>**Concept 1: Geometric Properties** | | |
| PO 1. Draw and describe the relationships between points, lines, line segments, rays, and angles including parallelism and perpendicularity.<br><br>Connections: M04-S4C1-02, M04-S4C1-03, M04-S4C1-06 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 7 –<br>Lesson 1: *Types of Angles* pp. 126-127<br>Unit 7 –<br>Lesson 2: *Parallel and Perpendicular Lines* pp. 128-129 |
| PO 2. Justify which objects in a collection match a given geometric description.<br><br>Connections: M04-S4C1-01, M04-S4C1-03, M04-S4C1-05, M04-S4C1-06, M04-S4C1-07, M04-S4C3-03 | M04-S5C2-06. Summarize mathematical information, explain reasoning, and draw conclusions.<br><br>M04-S5C2-07. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | Unit 7 –<br>Lesson 3: *Classifying Polygons* pp. 130-131<br>Unit 7 –<br>Lesson 7: *Solid Figures* pp. 138-139 |

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| PO 3. Describe and classify triangles by angles and sides.<br><br>Connections: M04-S4C1-01, M04-S4C1-02, M04-S4C1-06 | M04-S5C2-07. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | Unit 7 –<br>Lesson 3: *Classifying Polygons* pp. 130-131 |
| PO 6. Draw right, acute, obtuse, and straight angles and identify these angles in other geometric figures.<br><br>Connections: M04-S4C1-01, M04-S4C1-02, M04-S4C1-03 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 7 –<br>Lesson 1: *Types of Angles* pp. 126-127 |
| PO 7. Recognize the relationship between a 3-dimensional figure and its corresponding net(s).<br><br>Connections: M04-S4C1-02, M04-S4C1-05 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols.<br><br>M04-S5C2-06. Summarize mathematical information, explain reasoning, and draw conclusions. | Unit 7 –<br>Lesson 7: *Solid Figures* pp. 138-139 |
| PO 1. Name, locate, and graph points in the first quadrant of the coordinate plane using ordered pairs.<br><br>Connections: M04-S4C3-02, M04- S4C3-03 | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 5 –<br>Lesson 7: *Ordered Pairs* pp. 102-103 |
| PO 2. Plot line segments in the first quadrant of the coordinate plane using a set of ordered pairs in a table.<br><br>Connections: M04-S2C1-01, M04-S4C3-01, M04-S4C3-03 | M04-S5C2-02. Identify relevant, missing, and extraneous information related to the solution to a problem.<br><br>M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 5 –<br>Lesson 7: *Ordered Pairs* pp. 102-103 |
| PO 3. Construct geometric figures with vertices at points on the coordinate plane.<br><br>Connections: M04-S4C1-02, M04-S4C3- | M04-S5C2-05. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | Unit 5 –<br>Lesson 7: *Ordered Pairs* pp. 102-103 |

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| 01, M04-S4C3-02 | | |
| **Strand 4: Geometry and Measurement**<br>**Concept 4: Measurement** | | |
| PO 2. Apply measurement skills to measure length, mass, and capacity using metric units.<br><br>Connections: M04-S1C1-01, M04-S1C3-01, M04-S1C3-02, M04-S4C4-03, M04-S4C4-04, SC04-S1C2-04 | M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection | Unit 6 –<br>Lesson 4: *Metric Measurement* pp. 114-115<br>Unit 6 –<br>Lesson 5: *Measuring Capacity* pp. 116-117<br>Unit 6 –<br>Lesson 6: *Capacity Conversions* pp. 118-119<br>Unit 6 –<br>Lesson 7: *Weight* pp. 120-121<br>Unit 6 –<br>Lesson 8: *Appropriate Units* pp. 122-123 |
| PO 3. Solve problems involving conversions within the same measurement system.<br><br>Connections: M04-S1C3-02, M04-S4C4-02 | M04-S5C2-01. Analyze a problem situation to determine the question(s) to be answered.<br><br>M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection.<br><br>M04-S5C2-07. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | Unit 6 –<br>Lesson 4: *Metric Measurement* pp. 114-115<br>Unit 6 –<br>Lesson 5: *Measuring Capacity* pp. 116-117<br>Unit 6 –<br>Lesson 6: *Capacity Conversions* pp. 118-119<br>Unit 6 –<br>Lesson 7: *Weight* pp. 120-121<br>Unit 6 –<br>Lesson 8: *Appropriate Units* pp. 122-123 |
| PO 4. Solve problems involving perimeter of 2-dimensional figures and area of rectangles.<br><br>Connections: M04-S1C3-02, M04-S4C1-04, M04-S4C4-02, M04-S4C4-05 | M04-S5C2-01. Analyze a problem situation to determine the question(s) to be answered.<br><br>M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection.<br><br>M04-S5C2-07. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | Unit 6 –<br>Lesson 1: *Perimeter of Squares and Rectangles* pp. 108-109<br>Unit 6 –<br>Lesson 2: *Area of Squares and Rectangles* pp. 110-111<br>Unit 6 –<br>Lesson 3: *Area and Perimeter of Irregular Polygons* pp. 112-113 |

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| PO 5. Describe the change in perimeter or area when one attribute (length or width) of a rectangle changes.<br><br>Connections: M04-S1C3-02, M04-S4C4-04 | M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection.<br><br>M04-S5C2-06. Summarize mathematical information, explain reasoning, and draw conclusions. | Unit 6 –<br>Lesson 1: *Perimeter of Squares and Rectangles* pp. 108-109<br>Unit 6 –<br>Lesson 2: *Area of Squares and Rectangles* pp. 110-111<br>Unit 6 –<br>Lesson 3: *Area and Perimeter of Irregular Polygons* pp. 112-113 |
| **Strand 5: Structure and Logic**<br>**Concept 1: Algorithms and Algorithmic Thinking** | | |
| PO 1. Analyze common algorithms for computing (adding, subtracting, multiplying, and dividing) with whole numbers using the associative, commutative, and distributive properties.<br><br>Connections: M04-S1C2-01, M04-S1C2-02, M04-S1C2-04, M04-S1C2-05, M04-S1C2-06, M04-S1C3-02 | M04-S5C2-03. Select and use one or more strategies to efficiently solve the problem and justify the selection. | Unit 2 –<br>Lesson 1: *Mental Addition and Subtraction* pp. 36-37<br>Unit 2 –<br>Lesson 2: *Column Addition* (I) pp. 38-39<br>Unit 2 –<br>Lesson 3: *Making Change* pp. 40-41<br>Unit 2 –<br>Lesson 4: *Column Subtraction* (I) pp. 42-43<br>Unit 2 –<br>Lesson 5: *Word Problems (Three- and Four-Digit Numbers)* pp. 44-45<br>Unit 2 –<br>Lesson 6: *Column Addition (II)* pp. 46-47<br>Unit 2 –<br>Lesson 7: *Column Subtraction (II)* pp. 48-49<br>Unit 2 –<br>Lesson 8: *Word Problems (Five-Digit Numbers) pp. 50-51*<br>Unit 3 –<br>Lesson 1: *Mental Multiplication* pp. 54-55<br>Unit 3 –<br>Lesson 2: *Patterns of Calculations* pp. 56-57<br>Unit 3 –<br>Lesson 3: *Multiplication by One-Digit Numbers* pp. 58-59<br>Unit 3 –<br>Lesson 4: *Multiplication by Two-Digit Numbers* pp. 60-61<br>Unit 3 –<br>Lesson 5: *Division with Remainders* pp. 62-63<br>Unit 3 – |

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| | | Lesson 6: *Long Division (Two-Digit ÷ One-Digit Numbers)* pp. 64-65<br>Unit 3 –<br>Lesson 7: *Long Division (Three-Digit ÷ One-Digit Numbers)* pp. 66-67<br>Unit 3 –<br>Lesson 8: *Word Problems* pp. 68-69 |
| **Strand 5: Structure and Logic**<br>**Concept 2: Logic, Reasoning, Problem Solving, and Proof** | | |
| PO 1. Analyze a problem situation to determine the question(s) to be answered. | | Unit 2 –<br>Lesson 5: *Word Problems (Three- and Four-Digit Numbers)* pp. 44-45<br>Unit 2 –<br>Lesson 8: *Word Problems (Five-Digit Numbers) pp. 50-51*<br>Unit 3 –<br>Lesson 8: *Word Problems* pp. 68-69 |
| PO 2. Identify relevant, missing, and extraneous information related to the solution to a problem. | | Unit 5 –<br>Lesson 2: *Solving Open Sentences (Addition and Subtraction)* pp. 92-93<br>Unit 5 –<br>Lesson 3: *Solving Open Sentences (Multiplication and Division)* pp. 94-95 |
| PO 3. Select and use one or more strategies to efficiently solve the problem and justify the selection. | | Unit 8 –<br>Lesson 1: *Data Handling* pp. 144-145 |
| PO 4. Determine whether a problem to be solved is similar to previously solved problems, and identify possible strategies for solving the problem. | | Unit 2 –<br>Lesson 5: *Word Problems (Three- and Four-Digit Numbers)* pp. 44-45<br>Unit 2 –<br>Lesson 8: *Word Problems (Five-Digit Numbers) pp. 50-51*<br>Unit 3 –<br>Lesson 8: *Word Problems* pp. 68-69 |
| PO 5. Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | | Unit 5 –<br>Lesson 6: *Writing Simple Algebraic Equations* pp. 100-101 |
| PO 6. Summarize mathematical | | Unit 8 – |

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| information, explain reasoning, and draw conclusions. | | Lesson 3: *Pictographs* pp. 148-149<br>Unit 8 –<br>Lesson 4: *Bar Graphs* pp. 150-151<br>Unit 8 –<br>Lesson 5: *Line Graphs* pp. 152-153<br>Unit 8 –<br>Lesson 6: *Venn Diagrams* pp. 154-155 |
| PO 7. Analyze and evaluate whether a solution is reasonable, is mathematically correct, and answers the question. | | Unit 1 –<br>Lesson 3: *Rounding* pp. 22-23 |
| PO 8. Make and test conjectures based on data (or information) collected from explorations and experiments. | | Unit 8 –<br>Lesson 2: *Mode and Mean* pp. 146-147 |