SRA Mathematics Laboratory 2a
correlation to
Alabama Course of Study: Mathematics
Grade 4

Number and Operations
1. Students will demonstrate number sense by comparing and ordering decimals to hundredths and whole numbers to 999,999.
• **Identifying a number when given a pictorial representation of tenths and hundredths or groups of ones, tens, hundreds, and thousands.**
Place Value: Whole Numbers: Cards 17, 18, 19 **Time & Money:** Cards 44, 49 **Representing Numbers:** Cards 74, 75, 78 **Decimal Concepts:** Cards 208, 209, 213 **Fraction Concepts:** Cards 232, 233, 234, 235, 236, 237, 238

Number and Operations
1. Students will demonstrate number sense by comparing and ordering decimals to hundredths and whole numbers to 999,999.
• **Writing a number in expanded notation through the hundred-thousands.**
Place Value: Whole Numbers: Cards 16, 17, 19

Number and Operations
1. Students will demonstrate number sense by comparing and ordering decimals to hundredths and whole numbers to 999,999.
• **Determining the place value of a digit in whole numbers through hundred-thousands and in a decimal to the hundredths.**
Place Value: Whole Numbers: Cards 14, 15, 16, 17, 18, 19 **Representing Numbers:** Cards 74, 75, 78 **Decimal Concepts:** Cards 211, 212, 213, 214, 215, 216, 217, 218

Number and Operations
2. Students will write money amounts in words and dollar-and-cent notation.
• **Identifying equivalent units of money.**
Add Whole Numbers: Card 43 **Time & Money:** Cards 44, 45, 46, 47, 48, 49

Number and Operations
3. Students will rename improper fractions as mixed numbers and mixed numbers as improper fractions.
• **Using a number line to simplify, compare, and order fractions and mixed numbers.**
Decimal Concepts: Card 217 **Fraction Concepts:** Cards 240, 242, 246

Number and Operations
3. Students will rename improper fractions as mixed numbers and mixed numbers as improper fractions.
• **Writing equivalent forms of fractions.**
Fraction Concepts: Cards 235, 237, 238 **Add & Subtract Fractions:** Cards 260, 261, 262, 263, 264, 265, 266, 267, 268, 269

Number and Operations
4. Students will demonstrate addition and subtraction of fractions with common denominators.
Add & Subtract Fractions: Cards 260, 261, 262, 263, 264, 265, 266, 267, 268, 269

Number and Operations
5. Students will round whole numbers to the nearest ten, hundred, or thousand and decimals to the nearest tenth.
Add Whole Numbers: Cards 25, 30, 35, 36, 37, 43 **Subtract Whole Numbers:** Cards 55, 65, 68, 73 **Representing Numbers:** Cards 76, 77, 78 **Multiply Whole Numbers by 1 Digit:** Cards 118, 119, 124, 129 **Multiply Whole Numbers by 2 Digits:** Cards 143, 145 **Divide Whole Numbers by 1 Digit:** Cards 167, 173 **Decimal Concepts:** Cards 214, 218 **Divide Whole Numbers by 2 Digits:** Card 252

Number and Operations
6. Students will solve problems, including word problems, that involve addition and subtraction of four-digit numbers with and without regrouping.
• **Estimating sums and differences of whole numbers by using appropriate strategies such as rounding, front-end estimation, and compatible numbers.**
Add Whole Numbers: Cards 25. 30, 35, 36, 37, 43 **Subtract Whole Numbers:** Cards 55, 65, 68, 73

Number and Operations
6. Students will solve problems, including word problems, that involve addition and subtraction of four-digit numbers with and without regrouping.
• **Adding and subtracting decimals and money amounts.**
Time & Money: Cards 45, 46, 47, 48, 49 **Add & Subtract Decimals:** Cards 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

Number and Operations
7. Students will solve problems, including word problems, involving the basic operations of multiplication and division on whole numbers through two-digit multipliers and one-digit divisors.
• **Estimating products and quotients of whole numbers by using appropriate strategies such as rounding, front-end estimation, and compatible numbers.**
Multiply Whole Numbers by 1 Digit: Cards 118, 119, 124, 129 **Multiply Whole Numbers by 2 Digits:** Cards 143, 145 **Divide Whole Numbers by 1 Digit:** Cards 167, 173 **Divide Whole Numbers by 2 Digits:** Card 252

Number and Operations

7. Students will solve problems, including word problems, involving the basic operations of multiplication and division on whole numbers through two-digit multipliers and one-digit divisors.

- **Identifying information needed to determine the appropriate operation to solve a problem.**

Basic Facts: Add & Subtract: Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

Place Value: Whole Numbers: Cards 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

Add Whole Numbers: Cards 25, 26, 27, 28, 29, 30, 3, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43

Time & Money: Cards 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54

Subtract Whole Numbers: Cards 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

Representing Numbers: Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84

Linear Measurement: Cards 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97

Basic Facts: Multiply & Divide: Cards 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112

Multiply Whole Numbers by 1 Digit: Cards 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129

Geometric Figures: Cards 130, 131, 132, 133, 134, 135, 136, 137, 138, 139

Multiply Whole Numbers by 2 Digits: Cards 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

Geometry Basics: Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160

Divide Whole Numbers by 1 Digit: Cards 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173

Data & Graphs: Cards 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185

Perimeter & Area: Cards 186, 187, 188, 189, 190, 191, 192, 193, 194, 195

Patterns & Numbers: Cards 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207

Decimal Concepts: Cards 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218

Weight, Capacity, & Temperature: Cards 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231

Fraction Concepts: Cards 232, 233, 234, 235, 236, 237, 238, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247

Divide Whole Numbers by 2 Digits: Cards 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259

Add & Subtract Fractions: Cards 260, 261, 262, 263, 264, 265, 266, 267, 268, 269

Spatial Sense & Transformations: Cards 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280

Probability: Cards 281, 282, 283, 284, 285, 286, 287, 288

Add & Subtract Decimals: Cards 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

Number and Operations
7. Students will solve problems, including word problems, involving the basic operations of multiplication and division on whole numbers through two-digit multipliers and one-digit divisors.
• **Demonstrating computational fluency in multiplication and division fact families through 12.**
Basic Facts: Multiply & Divide: Cards 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112 **Multiply Whole Numbers by 1 Digit:** Cards 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129 **Multiply Whole Numbers by 2 Digits:** Cards 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150 **Divide Whole Numbers by 1 Digit:** Cards 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173 **Divide Whole Numbers by 2 Digits:** Cards 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259

Number and Operations
8. Students will recognize equivalent forms of commonly used fractions and decimals.
Decimal Concepts: Cards 208, 209, 210

Algebra
9. Students will write number sentences for word problems that involve multiplication or division.
Representing Numbers: Cards 80, 84

Algebra
10. Students will complete addition and subtraction number sentences with a missing addend or subtrahend.
Basic Facts: Add & Subtract: Cards 8, 10, 12, 13 **Add Whole Numbers:** Cards 31, 36, 41, 43 **Subtract Whole Numbers:** Cards 57, 66, 72, 73 **Basic Facts: Multiply & Divide:** Cards 102, 105, 111, 112 **Multiply Whole Numbers by 1 Digit:** Cards 117, 119, 122, 123 **Multiply Whole Numbers by 2 Digits:** Cards 142, 145 **Divide Whole Numbers by 1 Digit:** Cards 162, 166, 171, 173 **Patterns & Numbers:** Cards 205, 206, 207 **Divide Whole Numbers by 2 Digits:** Cards 249, 256, 258, 259

Geometry
11. Students will identify triangles, quadrilaterals, pentagons, hexagons, or octagons based on the number of sides, angles, and vertices.
• **Demonstrating slides (translations), flips (reflections), and turns (rotations) using triangles, quadrilaterals, pentagons, hexagons, or octagons.**
Spatial Sense & Transformations: Cards 275, 276, 277, 278, 280

Geometry
11. Students will identify triangles, quadrilaterals, pentagons, hexagons, or octagons based on the number of sides, angles, and vertices.
• **Drawing lines of symmetry in triangles, quadrilaterals, pentagons, hexagons, or octagons.**
Spatial Sense & Transformations: Cards 270, 271, 274

Geometry
12. Students will find locations on a map or grid using ordered pairs.
Data & Graphs: Cards 184, 185

Measurement
13. Students will calculate elapsed time in hours and minutes.
Time & Money: Cards 50, 51, 52, 53, 54

Measurement
14. Students will measure length, width, weight, and capacity, using metric and customary units, and temperature in degrees Fahrenheit and degrees Celsius.
• **Estimating perimeter and area of irregular shapes using unit squares and grid paper.**
Perimeter & Area: Cards 186, 187, 188, 189, 190, 191, 192, 193, 194, 195

Measurement
14. Students will measure length, width, weight, and capacity, using metric and customary units, and temperature in degrees Fahrenheit and degrees Celsius.
• **Estimating area using unit squares.**
Perimeter & Area: Cards 190, 191, 192, 193, 194, 195

Data Analysis and Probability
15. Students will represent categorical data using tables and graphs, including bar graphs, line graphs, and line plots.
• **Collecting data using observations, surveys, or experiments.**
Data & Graphs: Cards 177, 178, 179, 180, 181, 182, 183, 185 **Probability:** Cards 281, 282, 283, 284, 285, 286, 287, 288

Data Analysis and Probability
15. Students will represent categorical data using tables and graphs, including bar graphs, line graphs, and line plots.
• **Creating tally charts to represent data collected from real-life situations.**
Data & Graphs: Cards 179, 180

Data Analysis and Probability
16. Students will determine if outcomes of simple events are likely, unlikely, certain, equally likely, or impossible.
Probability: Cards 283, 284, 285, 286, 287, 288

Data Analysis and Probability
17. Students will represent numerical data using tables and graphs, including bar graphs and line graphs.
Data & Graphs: Cards 177, 178, 179, 180, 181, 182, 183, 185 **Probability:** Cards 282, 285

SRA Mathematics Laboratory 2b
correlation to
Alabama Course of Study: Mathematics
Grade 5

Number and Operations
1. The student will demonstrate number sense by comparing, ordering, rounding, and expanding whole numbers through millions and decimals to thousandths.
• **Relating percents to parts out of 100 by using equivalent fractions and decimals.**
Decimal Concepts: Cards 229, 230, 231 **Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

Number and Operations
1. The student will demonstrate number sense by comparing, ordering, rounding, and expanding whole numbers through millions and decimals to thousandths.
• **Determining the value of a digit to the thousandths.**
Place Value: Whole Numbers: Cards 15, 16, 17, 18, 19 **Representing Numbers:** Cards 39, 40 **Decimal Concepts:** Cards 218, 219, 221, 222, 223, 224, 225, 226, 227, 228

Number and Operations
2. Students will solve problems involving basic operations on whole numbers, including addition and subtraction of seven-digit numbers, multiplication with two-digit multipliers, and division with two-digit divisors.
• **Estimating products and quotients.**
Multiply Whole Numbers: Cards 62, 69, 76 **Divide Whole Numbers:** Card 89

Number and Operations
2. Students will solve problems involving basic operations on whole numbers, including addition and subtraction of seven-digit numbers, multiplication with two-digit multipliers, and division with two-digit divisors.
• **Determining divisibility by 2, 3, 4, 5, 6, 9, and 10.**
Patterns & Numbers: Cards 110, 111

Number and Operations
2. Students will solve problems involving basic operations on whole numbers, including addition and subtraction of seven-digit numbers, multiplication with two-digit multipliers, and division with two-digit divisors.
• **Demonstrating computational fluency with addition, subtraction, multiplication, and division of whole numbers.**
Basic Facts: Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 **Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 **Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76 **Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104

Number and Operations
3. Students will solve word problems that involve decimals, fractions, and money.
• **Solving word problems involving elapsed time.**
Weight, Capacity, Temperature & Time: Cards 185, 186, 187, 188

Number and Operations
4. Students will determine the sum and difference of fractions with common and uncommon denominators.
• **Changing mixed numbers to improper fractions.**
Fraction Concepts: Cards 120, 124 **Add Fractions:** Cards 143, 144, 147, 148, 149, 150 **Subtract Fractions:** Cards 170, 171, 172, 174, 175, 176

Number and Operations
4. Students will determine the sum and difference of fractions with common and uncommon denominators.
• **Solving problems involving addition and subtraction of fractions with common and uncommon denominators.**
Add Fractions: Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150 **Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 174, 175, 176

Number and Operations
4. Students will determine the sum and difference of fractions with common and uncommon denominators.
• **Using least common multiples.**
Patterns & Numbers: Cards 107, 108, 111 **Fraction Concepts:** Cards 122, 123, 124, 125, 128 **Add Fractions:** Cards 142, 143, 144, 147, 148, 149, 150 **Subtract Fractions:** Cards 165, 167, 168, 169, 171, 172, 173, 174, 175, 176 **Multiply & Divide Fractions:** Cards 191, 192, 193, 194

Number and Operations
4. Students will determine the sum and difference of fractions with common and uncommon denominators.
• **Estimating sums and differences of fractions.**
Add Fractions: Card 145

Number and Operations
5. Students will identify numbers less than zero by extending the number line.
Representing Numbers: Cards 45, 46, 47, 49

Algebra
6. Students will demonstrate the commutative, associative, and identify properties of addition and multiplication of whole numbers.
Basic Facts: Cards 2, 6, 8, 9, 14

Algebra
7. Students will write a number sentence for a problem expressed in words.
Basic Facts: Cards 5, 6, 12, 14

Geometry
8. Students will identify regular polygons and congruent polygons.
• **Identifying angles as right, obtuse, acute, or straight.**
Geometric Basics: Cards 79, 80, 81, 82, 83, 85, 87 **Geometric Figures:** Card 129

Geometry
8. Students will identify regular polygons and congruent polygons.
• **Classifying triangles as equilateral, isosceles, or scalene.**
Geometric Basics: Cards 83, 84, 87 **Fraction Concepts:** Cards 130, 131, 133

Geometry
8. Students will identify regular polygons and congruent polygons.
• **Identifying figures that have rotational symmetry.**
Spatial Sense & Transformations: Cards 232, 237, 238, 242

Geometry
8. Students will identify regular polygons and congruent polygons.
• **Predicting the results of a flip (reflection), turn (rotation), or slide (translation).**
Spatial Sense & Transformations: Cards 233, 234, 237

Geometry
9. Students will identify components of the Cartesian plane, including the x-axis, y-axis, origin, and quadrants.
Data & Graphs: Cards 160, 164 **Spatial Sense & Transformations:** Cards 233, 234, 237 **Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 265, 266

Geometry
10. Students will identify the center, radius, and diameter of a circle.
Geometric Basics: Cards 86, 87 **Perimeter, Area & Volume:** Cards 203, 210

Measurement
11. Students will estimate perimeter and area of irregular shapes using unit squares and grid paper.
Perimeter, Area & Volume: Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

Measurement
12. Students will calculate the perimeter of rectangles from measured dimensions.
Perimeter, Area & Volume: Cards 201, 202, 209, 210

Measurement
13. Students will convert a larger unit of measurement to a smaller unit of measurement within the same system (customary or metric).
Linear Measurement: Cards 52, 53, 55, 56, 57, 58, 59, 60 **Weight, Capacity, Temperature & Time:** Cards 179, 180, 181, 182, 183, 184, 185, 186, 188

Data Analysis and Probability
14. Analyze data collected from a survey or experiment to distinguish between what the data show and what might account for the results.
• **Evaluating different representations of the same data to determine how well each representation shows important aspects of the data.**
Data & Graphs: Cards 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

Data Analysis and Probability
14. Analyze data collected from a survey or experiment to distinguish between what the data show and what might account for the results.
• **Using given measures of central tendency (mean, median, and mode) to analyze data.**
Data & Graphs: Cards 151, 152, 153, 154, 156

Data Analysis and Probability
15. Students will use common fractions to represent the probability of events that are neither certain nor impossible.
Probability: Cards 284, 285, 286, 287, 288, 289

SRA Mathematics Laboratory 2c
correlation to
Alabama Course of Study: Mathematics
Grade 6

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Comparing rational numbers written as fractions, decimals, mixed numbers, and percents.**
Place Value: Whole Numbers: Cards 34, 35, 36, 39, 40, 41 **Fraction & Decimal Concepts:** Cards 99, 100, 101, 106, 107, 108 **Ratios & Proportions:** Card 276

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Converting fractions and mixed numbers to decimals and percents.**
Fraction & Decimal Concepts: Cards 103, 104, 105, 106, 107, 108 **Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Converting terminating decimals and percents to fractions and mixed numbers.**
Fraction & Decimal Concepts: Cards 103, 104, 105, 106, 107, 108 **Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Writing decimal numbers in expanded notation.**
This concept is not covered at this level.

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Using prime factorization.**
Patterns & Numbers: Cards 84, 85, 92, 93, 94

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Identifying prime and composite numbers.**
Patterns & Numbers: Cards 92, 93, 94

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Using greatest common factor (GCF) to simplify fractions.**
Patterns & Numbers: Cards 84, 85, 89 **Fraction & Decimal Concepts:** Cards 98, 99, 100, 101 **Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 128, 129, 130, 132, 133, 134, 135, 136, 137 **Multiply & Divide Fractions:** Cards 155, 156, 157, 158, 160, 161, 162, 163, 164

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Formulating algorithms using basic operations on fractions and decimals.**
Add & Subtract Fractions: Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137 **Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164 **Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187 **Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212 **Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Applying the distributive property to compute with fractions and decimals.**
Basic Facts: Card 10

Number and Operations
1. Students will demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
• **Using least common multiple (LCM) to add and subtract fractions with unlike denominators.**
Patterns & Numbers: Cards 86, 87, 88, 89 **Fraction & Decimal Concepts:** Cards 99, 100, 101 **Add & Subtract Fractions:** Cards 125, 126, 127, 128, 129, 130, 131, 133, 134, 136, 137

Number and Operations
2. Students will solve problems involving decimals, percents, fraction, and proportions.
• **Estimating with fractions and decimals.**
Fraction & Decimal Concepts: Card 102 **Add & Subtract Fractions:** Cards 127, 129, 131, 137 **Add & Subtract Decimals:** Cards 177, 181, 182 **Divide Decimals:** Cards 228, 234

Algebra
3. Students will solve problems using numeric and geometric patterns.
• **Determining a verbal rule for a function given the input and output.**
Basic Facts: Cards 11, 14 **Add & Subtract Whole Numbers:** Cards 26, 31 **Multiply & Divide Whole Numbers:** Cards 55, 59 **Patterns & Numbers:** Cards 91, 94 **Coordinate Graphs:** Cards 289, 290, 291

Geometry
4. Students will identify two-dimensional and three-dimensional figures based on attributes, properties, and component parts.
• **Classifying quadrilaterals based on their attributes.**
Measurement: Cards 119, 120, 121 **Geometric Figures:** Cards 167, 168, 169, 170

Geometry
4. Students will identify two-dimensional and three-dimensional figures based on attributes, properties, and component parts.
• **Identifying line and rotational symmetry of polygons.**
Geometric Figures: Cards 172, 173, 175

Geometry
4. Students will identify two-dimensional and three-dimensional figures based on attributes, properties, and component parts.
• **Classifying triangles as right, obtuse, or acute.**
Measurement: Cards 117, 121

Geometry
5. Students will plot coordinates on grids, graphs, and maps.
• **Identifying the coordinates of a point on the Cartesian plane.**
Data & Graphs: Cards 144, 152, 153 **Spatial Sense & Transformations:** Cards 268, 269, 270, 271, 272 **Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

Geometry
5. Students will plot coordinates on grids, graphs, and maps.
• **Comparing parallel and perpendicular lines.**
Geometric Figures: Cards 166, 167, 170

Measurement
6. Students will classify angles as acute, obtuse, right, or straight.
• **Estimating angle measures using 45 degrees, 90 degrees, 180 degrees, 270 degrees, or 360 degrees as referents.**
Measurement: Cards 112, 113, 114, 115, 116, 118, 120, 121 **Geometric Figures:** Cards 169, 170, 171

Measurement
6. Students will classify angles as acute, obtuse, right, or straight.
• **Measuring angles.**
Measurement: Cards 112, 113, 114, 115, 116, 118, 120, 121 **Geometric Figures:** Cards 169, 170, 171

Measurement
7. Students will solve problems involving perimeter and area of parallelograms and rectangles.
• **Estimating perimeter and area.**
Perimeter & Area: Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227 **Surface Area & Volume:** Cards 241, 242, 243, 244, 245

Measurement
7. Students will solve problems involving perimeter and area of parallelograms and rectangles.
• **Developing formulas to determine perimeter and area of parallelograms and rectangles.**
Perimeter & Area: Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227 **Surface Area & Volume:** Cards 241, 242, 243, 244, 245

Measurement
8. Students will determine the distance between two points on a scale drawing or a map using proportional reasoning.
• **Using different forms of notation to symbolize ratios and rates.**
Ratios & Proportions: Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

Measurement
9. Students will convert units of length, weight, or capacity within the same system (customary or metric).
Weight, Capacity & Time: Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

Data Analysis and Probability
10. Students will interpret information from bar graphs, line graphs, and circle graphs.
Data & Graphs: Cards 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

Data Analysis and Probability
11. Students will find the probability of a simple event.
• **Expressing probabilities as ratios, percents, and decimals.**
Probability: Cards 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201