

***SRA Mathematics Laboratory 2a***  
**correlation to**  
**Oklahoma Priority Academic Student Skills Mathematics Content Standards**  
**Grade 4**

**Process Standard 1: Problem Solving**

**1. Use problem-solving approaches (e.g., act out situations, represent problems with drawings and lists, use concrete, pictorial, graphical, oral written, and/or algebraic models, understand a problem, devise a plan, carry out the plan, look back).**

**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, 31, 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

**Process Standard 1: Problem Solving**

**2. Formulate problems from everyday and mathematical situations (e.g., how many forks are needed?, how many students are absent?, how can we share/divide these cookies?, how many different ways can we find to compare these fractions?).**

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

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**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

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

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

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**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

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**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

**Process Standard 1: Problem Solving**

**3. Develop, test, and apply strategies to solve a variety of routine and nonroutine problems (e.g., look for patterns, make a table, make a problem simpler, process of elimination, trial and error).**

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**Add Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43

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

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**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

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**Process Standard 1: Problem Solving**

**4. Verify and interpret results with respect to the original problem (e.g., students explain verbally why an answer makes sense, explain in a written format why an answer makes sense, verify the validity of each step taken to obtain a final result).**

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**Add Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43

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**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

**Process Standard 1: Problem Solving****5. Distinguish between necessary and irrelevant information in solving problems (e.g., play games and discuss “best” clues, write riddles with sufficient information, identify unnecessary information in written story problems.****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, 31, 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

**Process Standard 2: Communication****1. Express mathematical ideas coherently and clearly to peers, teachers, and other (e.g., with verbal ideas, models, or manipulatives, pictures, or symbols).****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, 31, 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

**Process Standard 2: Communication**

**2. Extend mathematical knowledge by considering the thinking and strategies of others (e.g., agree or disagree, rephrase another student's explanation, analyze another student's explanation).**

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**Process Standard 2: Communication**

**3. Relate manipulatives, pictures, diagrams, and symbols to mathematical ideas.**

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**Process Standard 2: Communication**

**4. Represent, discuss, write, and read mathematical ideas and concepts. Start by relating everyday language to mathematical language and symbols and progress toward the use of appropriate terminology (e.g., “add more” becomes “plus”, “repeated addition” becomes “multiplication,” “fair share” becomes “divide,” “balance the equation” becomes “solve the equation”).**

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**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

**Process Standard 3: Reasoning****1. Explain mathematical situations using patterns and relationships (e.g., identify patterns in situations, represent patterns in a variety of ways, extend patterns to connect with more general cases).****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

**Process Standard 3: Reasoning**

**2. Demonstrate thinking processes using a variety of age-appropriate materials and reasoning process (e.g., manipulatives, models, known facts, properties and relationships,, inductive [specific to general], deductive [general to specific], spatial, proportional, logical reasoning [“and,” “or,” “not”] and recursive reasoning).**

**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, 31, 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

**Process Standard 3: Reasoning**

**3. Make predictions and draw conclusions about mathematical ideas and concepts. Predictions become conjectures and conclusion become more logical as students mature mathematically.**

**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, 31, 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

**Process Standard 4: Connections**

**1. Relate various concrete and pictorial models of concepts and procedures to one another (e.g., use two colors to represent addition facts for the number 5, relate patterns on a hundreds chart to multiples, use base-10 blocks to represent decimals).**

**Basic Facts: Add & Subtract:** Cards 1, 2, 3, 4, 8, 9, 12, 12

**Place Value: Whole Numbers:** Card 18

**Add Whole Numbers:** Cards 26, 27, 28, 29, 30, 31, 33, 34

**Time & Money:** Cards 44, 45, 48, 49, 50, 51, 52, 54

**Subtract Whole Numbers:** Cards 55, 56, 57, 58, 59, 62, 63, 64

**Representing Numbers:** Cards 79, 81, 82, 83, 84

**Linear Measurement:** Cards 88, 94, 95, 97

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

**Multiply Whole Numbers by 1 Digit:** Cards 113, 114, 117, 119, 120, 126

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

**Multiply Whole Numbers by 2 Digits:** Cards 142, 144, 145

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

**Divide Whole Numbers by 1 Digit:** Cards 161, 162, 163, 164, 165, 166, 168, 170

**Data & Graphs:** Cards 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 197, 205, 206, 207

**Decimal Concepts:** Cards 208, 209, 210, 213, 217

**Weight, Capacity, & Temperature:** Cards 220, 224, 230

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

**Divide Whole Numbers by 2 Digits:** Cards 248, 249, 250, 251, 255, 256, 257, 259

**Add & Subtract Fractions:** Cards 260, 262, 263, 265, 266, 267, 268

**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, 295, 296, 297

**Process Standard 4: Connections**

**2. Link concepts to procedures and eventually to symbolic notation (e.g., represent actions like snap, clap, clap with symbols A B B, demonstrate  $3 \cdot 4$  with a geometric array, divide a candy bar into 3 equal pieces that represent one piece as  $1/3$ ).**

**Basic Facts: Add & Subtract:** Cards 1, 3, 5, 8, 12, 13

**Place Value: Whole Numbers:** Cards 14, 18

**Add Whole Numbers:** Cards 26, 27, 28, 29, 30, 31, 33, 34

**Time & Money:** Cards 44, 45, 48, 49, 50, 51, 52, 54

**Subtract Whole Numbers:** Cards 55, 56, 57, 58, 59, 62, 63, 64

**Representing Numbers:** Cards 79, 81, 82, 83, 84

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

**Multiply Whole Numbers by 1 Digit:** Cards 113, 114, 117, 119, 120, 126

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

**Multiply Whole Numbers by 2 Digits:** Cards 142, 144, 145

**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, 168, 170

**Data & Graphs:** Cards 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 197, 205, 206, 207

**Decimal Concepts:** Cards 208, 209, 210, 213, 217

**Weight, Capacity, & Temperature:** Cards 220, 224, 230

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

**Divide Whole Numbers by 2 Digits:** Cards 248, 249, 250, 251, 255, 256, 257, 259

**Add & Subtract Fractions:** Cards 260, 262, 263, 265, 266, 267, 268

**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, 295, 296, 297

**Process Standard 4: Connections**

**3. Recognize relationships among different topics within mathematics (e.g., the length of an object can be represented by a number, multiplication facts can be modeled with geometric arrays,  $\frac{1}{2}$  can be written as .5 and 50%).**

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

**Place Value: Whole Numbers:** Cards 16, 17, 18, 19

**Add Whole Numbers:** Cards 26, 27, 28, 29, 30, 31, 33, 34

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

**Subtract Whole Numbers:** Cards 55, 56, 57, 58, 59, 62, 63, 64

**Representing Numbers:** Cards 79, 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, 104, 105, 106, 107, 108, 109, 110, 111, 112

**Multiply Whole Numbers by 1 Digit:** Cards 113, 114, 117, 119, 120, 126

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

**Multiply Whole Numbers by 2 Digits:** Cards 142, 144, 145

**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, 168, 170

**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 197, 205, 206, 207

**Decimal Concepts:** Cards 208, 209, 210, 213, 217

**Weight, Capacity, & Temperature:** Cards 220, 224, 230

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

**Divide Whole Numbers by 2 Digits:** Cards 248, 249, 250, 251, 255, 256, 257, 259

**Add & Subtract Fractions:** Cards 260, 262, 263, 265, 266, 267, 268

**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, 295, 296, 297

**Process Standard 4: Connections**

**4. Use mathematical strategies to solve problems that relate to other curriculum areas and the real world (e.g., use a timeline to sequence events, use symmetry in art work, explore fractions in quilt designs and to describe pizza slices).**

**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, 31, 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

**Process Standard 5: Representation**

**1. Create and use a variety of representation appropriately and with flexibility to organize, record, and communicate mathematical ideas (e.g., dramatizations, manipulatives, drawings, diagrams, tables, graphs, symbolic representations).**

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

**Place Value: Whole Numbers:** Cards 14, 15, 16, 17, 18, 21, 23

**Add Whole Numbers:** Cards 26, 27, 28, 29, 30, 31, 33, 34

**Time & Money:** Cards 44, 45, 48, 49, 50, 51, 52, 54

**Subtract Whole Numbers:** Cards 55, 56, 57, 58, 59, 62, 63, 64

**Representing Numbers:** Cards 74, 75, 76, 79, 81, 82, 83, 84

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

**Multiply Whole Numbers by 1 Digit:** Cards 113, 114, 117, 119, 120, 126

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

**Multiply Whole Numbers by 2 Digits:** Cards 142, 144, 145

**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, 168, 170

**Data & Graphs:** Cards 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 197, 205, 206, 207

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

**Weight, Capacity, & Temperature:** Cards 220, 224, 230

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

**Divide Whole Numbers by 2 Digits:** Cards 248, 249, 250, 251, 255, 256, 257, 259

**Add & Subtract Fractions:** Cards 260, 262, 263, 265, 266, 267, 268

**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, 294, 295, 296, 297, 298, 299

**Process Standard 5: Representation****2. Use representations to model and interpret physical, social, and mathematical situations (e.g., counters, pictures, tally marks, number sentences, geometric models, translate between diagrams, tables, charts, graphs).****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, 31, 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

**Standard 1: Patterns and Algebraic Reasoning-The student will use algebraic methods to describe patterns and solve problems in a variety of contexts.**

**1. Discover, describe, extend, and create a wide variety of patterns using tables, graphs, rules, and models (e.g., use 1-inch tiles to demonstrate that doubling the length of the side of a square more than doubles the area, explore the characteristics of odd and even numbers, extend patterns of geometric shapes).**

**Basic Facts: Add & Subtract:** Cards 5, 6, 12, 13

**Add Whole Numbers:** Cards 31, 36

**Subtract Whole Numbers:** Cards 57, 66, 72, 73

**Basic Facts: Multiply & Divide:** Cards 111, 112

**Multiply Whole Numbers by 1 Digit:** Cards 113, 114, 115, 117, 119

**Multiply Whole Numbers by 2 Digits:** Cards 140, 141, 142, 145

**Divide Whole Numbers by 1 Digit:** Card 162

**Patterns & Numbers:** Cards 199, 203, 204, 205, 206, 207

**Divide Whole Numbers by 2 Digits:** Cards 256, 259

**Standard 1: Patterns and Algebraic Reasoning-The student will use algebraic methods to describe patterns and solve problems in a variety of contexts.**

**2. Elementary Functions Concepts**

**a. Use a variety of techniques to generalize number patterns (e.g., use function machines and “t-tables” to demonstrate “What is the rule?”).**

**Basic Facts: Add & Subtract:** Cards 5, 12, 13

**Add Whole Numbers:** Cards 31, 36

**Subtract Whole Numbers:** Cards 57, 66, 72, 73

**Basic Facts: Multiply & Divide:** Cards 111, 112

**Multiply Whole Numbers by 1 Digit:** Cards 113, 114, 115, 117, 119

**Multiply Whole Numbers by 2 Digits:** Cards 140, 141, 142, 145

**Divide Whole Numbers by 1 Digit:** Card 162

**Patterns & Numbers:** Cards 199, 203, 204, 205, 206, 207

**Divide Whole Numbers by 2 Digits:** Cards 256, 259

<b>Standard 1: Patterns and Algebraic Reasoning-The student will use algebraic methods to describe patterns and solve problems in a variety of contexts.</b>
<b>2. Elementary Functions Concepts</b>
<b>b. Solve simple open sentences involving operations on whole numbers (with a variable, e.g., <math>a + 17 = 23</math>).</b>
<b>Basic Facts: Add &amp; Subtract:</b> Cards 10, 12, 13
<b>Add Whole Numbers:</b> Cards 31, 36, 41
<b>Subtract Whole Numbers:</b> Cards 57, 66, 72, 73
<b>Basic Facts: Multiply &amp; Divide:</b> Cards 102, 11, 112
<b>Multiply Whole Numbers by 1 Digit:</b> Cards 117, 119, 122
<b>Multiply Whole Numbers by 2 Digits:</b> Cards 142, 145
<b>Divide Whole Numbers by 1 Digit:</b> Cards 162, 171
<b>Patterns &amp; Numbers:</b> Cards 205, 206, 207
<b>Divide Whole Numbers by 2 Digits:</b> Cards 256, 258, 259

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Place Value</b>
<b>a. Apply the concepts of place value through 6 digits (e.g., write numbers in expanded form, play a trading game involving place value).</b>
<b>Place Value: Whole Numbers:</b> Cards 14, 15, 16, 17, 18, 19, 21, 23, 24
<b>Representing Numbers:</b> Cards 74, 75, 78, 79, 81, 82, 83, 84
<b>Decimal Concepts:</b> Cards 208, 209, 211, 212, 213

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Place Value</b>
<b>b. Read, write, and rename whole numbers through 6 digits and decimal numbers to the hundredths (e.g., money, numerals to words).</b>
<b>Basic Facts: Add &amp; Subtract:</b> Card 11
<b>Place Value: Whole Numbers:</b> Cards 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
<b>Representing Numbers:</b> Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84
<b>Decimal Concepts:</b> Cards 208, 209, 211, 212, 213, 214, 215, 216, 217, 218

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>2. Compare and order whole numbers and decimals to the hundredths place (e.g., pictures of shaded regions of two-dimensional figures, use <math>&gt;</math>, <math>&lt;</math>, <math>+</math> symbols).</b>
<b>Place Value: Whole Numbers:</b> Cards 20, 21, 22, 23, 24
<b>Representing Numbers:</b> Cards 81, 82, 83, 84
<b>Decimal Concepts:</b> Cards 215, 216, 217, 218

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>3. Fractions</b>
<b>a. Use, 0, <math>\frac{1}{2}</math>, and 1 or 0, 0.5, and 1, as benchmarks and place additional fractions and decimals on a number line (e.g., <math>\frac{1}{3}</math>, <math>\frac{3}{4}</math>, 0.7, 0.4).</b>
<b>Decimal Concepts:</b> Card 217
<b>Fraction Concepts:</b> Cards 240, 242, 246

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>3. Fractions</b>
<b>b. Create physical and pictorial models of equivalent and nonequivalent fractional parts to be compared, add, or subtracted (e.g., egg cartons, fraction stripes, circles, and squares).</b>
<b>Fraction Concepts:</b> Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247
<b>Add &amp; Subtract Fractions:</b> Cards 260, 261, 262, 263, 264, 265, 266, 267, 268, 269

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers.</b>
<b>1. Estimate and find the product of 2- and 3-digit numbers to solve application problems.</b>
<b>Basic Facts: Multiply &amp; Divide:</b> Cards 98, 99, 100, 101, 102, 103, 105, 108, 110, 111, 112
<b>Multiply Whole Numbers by 1 Digit:</b> Cards 118, 124, 125, 126, 127, 128, 129
<b>Multiply Whole Numbers by 2 Digits:</b> Cards 143, 145

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers.</b>
<b>2. Division Concepts</b>
<b>a. Demonstrate fluency with basic division facts and fact families.</b>
<b>Basic Facts: Multiply &amp; Divide:</b> Cards 104, 105, 106, 107, 108, 109, 110, 111, 112
<b>Divide Whole Numbers by 1 Digit:</b> Cards 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173
<b>Divide Whole Numbers by 2 Digits:</b> Cards 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers.</b>
<b>2. Division Concepts</b>
<b>b. Develop division algorithms (e.g., use physical materials to show 12 objects arranged in 3 groups, show division as repeated subtraction and as the inverse of multiplication).</b>
<b>Basic Facts: Multiply &amp; Divide:</b> Cards 98, 99, 100, 101, 102, 104, 105, 106, 107, 108, 109, 110, 111, 112
<b>Divide Whole Numbers by 1 Digit:</b> Cards 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173
<b>Divide Whole Numbers by 2 Digits:</b> Cards 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers.</b>
<b>2. Division Concepts</b>
<b>c. Estimate and find the quotient (with and without remainders) with a 1-digit divisor and a 2- or 3-digit dividend to solve application problems.</b>
<b>Divide Whole Numbers by 1 Digit:</b> Cards 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173
<b>Divide Whole Numbers by 2 Digits:</b> Cards 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers.</b>
<b>3. Apply a variety of estimation and mental math techniques to simplify computations (e.g., use rounding to estimate <math>82 - 58</math> is about <math>80 - 60</math> or <math>20</math>, use <math>30 \cdot 5</math> to find the product of <math>300 \cdot 5</math>).</b>
<b>Place Value: Whole Numbers:</b> Cards 25, 30, 37, 43
<b>Time &amp; Money:</b> Cards 45, 48
<b>Subtract Whole Numbers:</b> Cards 55, 65, 68, 73
<b>Multiply Whole Numbers by 1 Digit:</b> Cards 118, 124, 129
<b>Multiply Whole Numbers by 2 Digits:</b> Cards 143, 145
<b>Divide Whole Numbers by 1 Digit:</b> Cards 167, 173
<b>Divide Whole Numbers by 2 Digits:</b> Card 252

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers.</b>
<b>4. Develop operation sense by applying the associative property of multiplication (e.g., <math>6 \cdot (2 \cdot 3) = (6 \cdot 2) \cdot 3</math>).</b>
<b>Basic Facts: Multiply &amp; Divide:</b> Card 102

<b>Standard 4: Geometry and Measurement-The student will use geometric properties and relationships to analyze shapes and use units of customary and metric measurements to solve problems.</b>
<b>1. Basic Characteristics of Lines and Angles</b>
<b>a. Identify, draw, and construct models of intersecting, parallel, and perpendicular lines (e.g., use spaghetti, straws, toothpicks).</b>
<b>Geometric Figures:</b> Cards 130, 131, 134, 137

<b>Standard 4: Geometry and Measurement-The student will use geometric properties and relationships to analyze shapes and use units of customary and metric measurements to solve problems.</b>
<b>1. Basic Characteristics of Lines and Angles</b>
<b>b. Identify and compare angles equal to, less than, or greater than 90 degrees (e.g., use right angles to determine the appropriate size of other angles; make a variety of angles using flexible straws and compare).</b>
<b>Geometric Figures:</b> Cards 132, 133, 134, 135

<b>Standard 4: Geometry and Measurement-The student will use geometric properties and relationships to analyze shapes and use units of customary and metric measurements to solve problems.</b>
<b>2. Identify basic characteristics of the rectangular coordinate system and find the distance between horizontal and vertical lines of a rectangular coordinate system (e.g., the x-axis is the horizontal axis).</b>
<b>Spatial Sense &amp; Transformations:</b> Cards 275, 276, 277, 278, 279, 280

<b>Standard 4: Geometry and Measurement-The student will use geometric properties and relationships to analyze shapes and use units of customary and metric measurements to solve problems.</b>
<b>3. Spatial Reasoning</b>
<b>a. Describe the effects on two- and three-dimensional objects when they slide (translate), flip (reflect), and turn (rotate) (e.g., tessellations).</b>
<b>Spatial Sense &amp; Transformations:</b> Cards 275, 276, 277, 278, 279, 280

<b>Standard 4: Geometry and Measurement-The student will use geometric properties and relationships to analyze shapes and use units of customary and metric measurements to solve problems.</b>
<b>3. Spatial Reasoning</b>
<b>b. Predict and verify the effects of combining, subdividing, and changing two- and three-dimensional figures (e.g., folding paper, tiling, and rearranging pieces of solids).</b>
<b>Geometry Basics:</b> Cards 152, 153, 155
<b>Spatial Sense &amp; Transformations:</b> Card 270

<b>Standard 4: Geometry and Measurement-The student will use geometric properties and relationships to analyze shapes and use units of customary and metric measurements to solve problems.</b>
<b>4. Measurement</b>
<b>a. Establish benchmarks for customary and metric units and estimate the measures of a variety of objects and compare units (e.g., mass; the mass of a raisin is about 1 gram, length: the width of a finger is about 1 centimeter).</b>
<b>Linear Measurement:</b> Cards 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97
<b>Weight, Capacity, &amp; Temperature:</b> Cards 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 231

<b>Standard 4: Geometry and Measurement-The student will use geometric properties and relationships to analyze shapes and use units of customary and metric measurements to solve problems.</b>
<b>4. Measurement</b>
<b>b. Select appropriate customary and metric units of measure to solve application problems involving length, weight, mass, and volume.</b>
<b>Linear Measurement:</b> Cards 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97
<b>Weight, Capacity, &amp; Temperature:</b> Cards 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 231

<b>Standard 4: Geometry and Measurement-The student will use geometric properties and relationships to analyze shapes and use units of customary and metric measurements to solve problems.</b>
<b>4. Measurement</b>
<b>c. Solve application problems involving money, time, and temperature (e.g., elapsed time).</b>
<b>Time &amp; Money:</b> Cards 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54
<b>Weight, Capacity, &amp; Temperature:</b> Cards 230, 231

<b>Standard 5: Data Analysis and Probability-The student will demonstrate an understanding of data collection, display, and interpretation.</b>
<b>1. Data Analysis</b>
<b>a. Examine data displays such as tallies, tables, charts, and graphs and use the observations to pose and answer questions (e.g., choose a table in social studies of population data and write problems).</b>
<b>Data &amp; Graphs:</b> Cards 177, 178, 179, 180, 181, 182, 183, 184, 185
<b>Probability:</b> Cards 282, 285

<b>Standard 5: Data Analysis and Probability-The student will demonstrate an understanding of data collection, display, and interpretation.</b>
<b>1. Data Analysis</b>
<b>b. Collect, organize, and record data in tables and graphs (e.g., bar, pictograph, line plots).</b>
<b>Data &amp; Graphs:</b> Cards 177, 178, 179, 180, 181, 182, 183, 184, 185

<b>Standard 5: Data Analysis and Probability-The student will demonstrate an understanding of data collection, display, and interpretation.</b>
<b>2. Investigate and record probabilities by experimenting with devices that generate random outcomes (e.g., coins, number cubes, spinners).</b>
<b>Probability:</b> Cards 281, 282, 283, 284, 285, 286, 287, 288

***SRA Mathematics Laboratory 2b***  
**correlation to**  
**Oklahoma Priority Academic Student Skills Mathematics Content Standards**  
**Grade 5**

**Process Standard 1: Problem Solving**

**1. Use problem-solving approaches (e.g., act out situations, represent problems with drawings and lists, use concrete, pictorial, graphical, oral written, and/or algebraic models, understand a problem, devise a plan, carry out the plan, look back).**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

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

**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87

**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104

**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117

**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176

**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188

**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 1: Problem Solving**

**2. Formulate problems from everyday and mathematical situations (e.g., how many forks are needed?, how many students are absent?, how can we share/divide these cookies?, how many different ways can we find to compare these fractions?).**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

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

**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87

**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104

**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117

**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176

**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188

**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 1: Problem Solving****3. Develop, test, and apply strategies to solve a variety of routine and nonroutine problems (e.g., look for patterns, make a table, make a problem simpler, process of elimination, trial and error).****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Place Value: Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 1: Problem Solving**

**4. Verify and interpret results with respect to the original problem (e.g., students explain verbally why an answer makes sense, explain in a written format why an answer makes sense, verify the validity of each step taken to obtain a final result).**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

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

**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87

**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104

**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117

**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176

**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188

**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 1: Problem Solving****5. Distinguish between necessary and irrelevant information in solving problems (e.g., play games and discuss “best” clues, write riddles with sufficient information, identify unnecessary information in written story problems.****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Place Value: Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 2: Communication****1. Express mathematical ideas coherently and clearly to peers, teachers, and other (e.g., with verbal ideas, models, or manipulatives, pictures, or symbols).****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Place Value: Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 2: Communication****2. Extend mathematical knowledge by considering the thinking and strategies of others (e.g., agree or disagree, rephrase another student's explanation, analyze another student's explanation).****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Place Value: Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 2: Communication****3. Relate manipulatives, pictures, diagrams, and symbols to mathematical ideas.****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Place Value: Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 2: Communication**

4. Represent, discuss, write, and read mathematical ideas and concepts. Start by relating everyday language to mathematical language and symbols and progress toward the use of appropriate terminology (e.g., “add more” becomes “plus”, “repeated addition” becomes “multiplication,” “fair share” becomes “divide,” “balance the equation” becomes “solve the equation”).

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

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

**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87

**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104

**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117

**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176

**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188

**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 3: Reasoning****1. Explain mathematical situations using patterns and relationships (e.g., identify patterns in situations, represent patterns in a variety of ways, extend patterns to connect with more general cases).****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Place Value: Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 3: Reasoning**

**2. Demonstrate thinking processes using a variety of age-appropriate materials and reasoning process (e.g., manipulatives, models, known facts, properties and relationships,, inductive [specific to general], deductive [general to specific], spatial, proportional, logical reasoning [“and,” “or,” “not”] and recursive reasoning).**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

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

**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87

**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104

**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117

**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176

**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188

**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 3: Reasoning****3. Make predictions and draw conclusions about mathematical ideas and concepts. Predictions become conjectures and conclusion become more logical as students mature mathematically.****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Place Value: Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 4: Connections**

**1. Relate various concrete and pictorial models of concepts and procedures to one another (e.g., use two colors to represent addition facts for the number 5, relate patterns on a hundreds chart to multiples, use base-10 blocks to represent decimals).**

**Basic Facts:** Cards 7, 10, 11, 13, 14

**Add & Subtract Whole Numbers:** Cards 32, 33

**Representing Numbers:** Cards 41, 45, 46, 47, 49

**Linear Measurement:** Cards 51, 54, 55

**Multiply Whole Numbers:** Cards 61, 67, 68, 70

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 7

**Divide Whole Numbers:** Cards 88, 96

**Patterns & Numbers:** Cards 106, 108, 110, 112, 113, 116, 117

**Fraction Concepts:** Cards 118, 119, 120, 121

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148

**Subtract Fractions:** Cards 165, 166, 167, 170, 172

**Multiply & Divide Fractions:** Card 189

**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 223, 226, 228

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Add & Subtract Decimals:** Card 251

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Card 273

**Probability:** Cards 281, 282, 283, 286

**Percent Concepts:** Cards 290, 292, 294

**Process Standard 4: Connections**

**2. Link concepts to procedures and eventually to symbolic notation (e.g., represent actions like snap, clap, clap with symbols A B B, demonstrate  $3 \cdot 4$  with a geometric array, divide a candy bar into 3 equal pieces that represent one piece as  $1/3$ ).**

**Basic Facts:** Cards 1, 3, 4, 7, 9, 11

**Representing Numbers:** Cards 41, 45, 46, 47, 49

**Linear Measurement:** Card 51

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87

**Patterns & Numbers:** Cards 108, 113

**Fraction Concepts:** Cards 118, 119, 120, 121

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Add Fractions:** Cards 139, 140, 141, 142, 143, 145, 146, 147, 149

**Subtract Fractions:** Cards 165, 166, 167, 170, 172

**Weight, Capacity, Temperature & Time:** Cards 187, 188

**Multiply & Divide Fractions:** Cards 189, 196

**Perimeter, Area & Volume:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 223, 226, 228

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Add & Subtract Decimals:** Card 251

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Card 273

**Probability:** Cards 281, 282, 283, 286

**Percent Concepts:** Cards 290, 292, 294

**Process Standard 4: Connections**

**3. Recognize relationships among different topics within mathematics (e.g., the length of an object can be represented by a number, multiplication facts can be modeled with geometric arrays,  $\frac{1}{2}$  can be written as .5 and 50%).**

**Place Value: Whole Numbers:** Cards 15, 16, 17, 18

**Representing Numbers:** Cards 41, 42, 43, 44, 45, 46, 47, 49

**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87

**Patterns & Numbers:** Cards 108, 109, 110, 112, 113

**Fraction Concepts:** Cards 120, 127

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Data & Graphs:** Cards 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188

**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 220, 221, 222, 223, 226, 227, 229, 230, 231

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Cards 269, 273, 277

**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 4: Connections**

**4. Use mathematical strategies to solve problems that relate to other curriculum areas and the real world (e.g., use a timeline to sequence events, use symmetry in art work, explore fractions in quilt designs and to describe pizza slices).**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

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

**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87

**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104

**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117

**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176

**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188

**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 5: Representation****1. Create and use a variety of representation appropriately and with flexibility to organize, record, and communicate mathematical ideas (e.g., dramatizations, manipulatives, drawings, diagrams, tables, graphs, symbolic representations).****Basic Facts:** Cards 1, 2, 3, 4, 7, 8, 9, 10, 11, 13, 14**Place Value: Whole Numbers:** Cards 15, 16, 17, 18**Add & Subtract Whole Numbers:** Cards 33, 38**Representing Numbers:** Cards 41, 45, 46, 47, 49**Linear Measurement:** Card 51**Multiply Whole Numbers:** Card 70**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87**Patterns & Numbers:** Cards 108, 113, 116, 117**Fraction Concepts:** Cards 118, 119, 120, 121, 123, 124, 125**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138**Add Fractions:** Cards 139, 140, 141, 142, 145, 146, 147, 149**Data & Graphs:** Cards 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Subtract Fractions:** Cards 165, 166, 167, 170, 172**Multiply & Divide Fractions:** Cards 189, 196**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217**Decimal Concepts:** Cards 218, 221, 222, 223, 227, 228**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266**Multiply & Divide Decimals:** Card 273**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289**Percent Concepts:** Cards 290, 292, 293, 294

**Process Standard 5: Representation****2. Use representations to model and interpret physical, social, and mathematical situations (e.g., counters, pictures, tally marks, number sentences, geometric models, translate between diagrams, tables, charts, graphs).****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Place Value: Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

<b>Standard 1: Patterns and Algebraic Reasoning-The student will use algebraic methods to describe patterns and solve problems in a variety of contexts.</b>
<b>1. Describe rules that produce patterns found in tables, graphs, and models, and use variables (e.g., boxes, letters, pawns, number cubes, or other symbols) to solve problems or to describe general rules in algebraic expression or equation form.</b>
<b>Basic Facts:</b> Cards 13, 14
<b>Add &amp; Subtract Whole Numbers:</b> Cards 33, 37, 38
<b>Linear Measurement:</b> Cards 52, 56
<b>Multiply Whole Numbers:</b> Cards 65, 66, 67, 68
<b>Divide Whole Numbers:</b> Cards 88, 95, 97, 104
<b>Patterns &amp; Numbers:</b> Cards 114, 115, 116, 117
<b>Geometric Figures:</b> Card 132
<b>Weight, Capacity, Temperature &amp; Time:</b> Cards 180, 184
<b>Multiply &amp; Divide Decimals:</b> Cards 269, 277

<b>Standard 1: Patterns and Algebraic Reasoning-The student will use algebraic methods to describe patterns and solve problems in a variety of contexts.</b>
<b>2. Use algebraic problem-solving techniques (e.g., use a balance to model an equation or show how subtracting a number from one side requires subtracting the same amount from the other side) to solve problems.</b>
<b>Basic Facts:</b> Cards 13, 14
<b>Add &amp; Subtract Whole Numbers:</b> Cards 32, 33, 37, 38
<b>Multiply Whole Numbers:</b> Cards 65, 66
<b>Divide Whole Numbers:</b> Cards 95, 97
<b>Patterns &amp; Numbers:</b> Cards 116, 117

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Fractions, Decimals, and Percents</b>
<b>a. Solve problems using decimal numbers to the 1000ths place.</b>
<b>Decimal Concepts:</b> Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231
<b>Add &amp; Subtract Decimals:</b> Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254
<b>Multiply &amp; Divide Decimals:</b> Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Fractions, Decimals, and Percents</b>
<b>b. Compare, convert, and order common fractions and decimals to the 1000ths place to solve problems.</b>
<b>Fraction Concepts:</b> Cards 120, 121, 122, 123, 124, 125, 126, 127, 128
<b>Add Fractions:</b> Cards 139, 140
<b>Subtract Fractions:</b> Cards 166, 170, 171
<b>Decimal Concepts:</b> Cards 218, 220, 223, 224, 225, 228, 229, 230, 231
<b>Percent Concepts:</b> Card 295

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Fractions, Decimals, and Percents</b>
<b>c. Represent with models the connection between fractions, decimals, and percents and be able to convert from one representation to another (e.g., use 10 x 10 grids, base-10 blocks; limit fractions to halves, fourths, fifths, and tenths).</b>
<b>Decimal Concepts:</b> Cards 218, 220, 223, 229, 230, 231
<b>Percent Concepts:</b> Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Fractions, Decimals, and Percents</b>
<b>d. Explain verbally with manipulatives and diagrams 25%, 50%, 75%; use these percents to solve problems and relate them to their corresponding fractions and decimals.</b>
<b>Decimal Concepts:</b> Cards 229, 230, 231
<b>Percent Concepts:</b> Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>2. Basic Number Theory Concepts</b>
<b>a. Apply the basic properties of arithmetic: commutative, associative, distributive, and identify (e.g., show <math>2(5 + 1) = (2 \cdot 5) + (2 \cdot 1)</math>, given <math>(5 + 1) + (5 + 1)</math> regroup to show that this equals <math>(5 + 5) + (1 + 1)</math> concluding with <math>(2 \cdot 5) + (2 \cdot 1)</math>) to solve problems.</b>
<b>Basic Facts:</b> Cards 2, 8, 9, 12, 14
<b>Representing Numbers:</b> Card 48

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>2. Basic Number Theory Concepts</b>
<b>b. Identify and apply factors, multiples, prime, and composite numbers in a variety of problem-solving situations (e.g., build rectangular arrays for numbers 1-100 and classify as prime or composite).</b>
<b>Representing Numbers:</b> Card 41
<b>Patterns &amp; Numbers:</b> Cards 105, 106, 107, 108, 110, 111, 112, 113, 117

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>1. Estimation</b>
<b>a. Use estimation skills to determine solutions to problems involving decimals.</b>
<b>Decimal Concepts:</b> Cards 226, 227, 231
<b>Add &amp; Subtract Decimals:</b> Cards 244, 248, 249, 254

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>1. Estimation</b>
<b>b. Apply estimation skills to solve problems involving common percents and equivalent fractions.</b>
<b>Add Fractions:</b> Cards 145, 150
<b>Percent Concepts:</b> Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>2. Whole Numbers, Decimals, and Fractions</b>
<b>a. Add and subtract decimal numbers with the same and different place values (e.g., <math>3.72 + 1.4</math>) to solve problems.</b>
<b>Add &amp; Subtract Decimals:</b> Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>2. Whole Numbers, Decimals, and Fractions</b>
<b>b. Multiply and divide whole numbers and decimal numbers with 1- or 2-digit multipliers or divisors to solve problems.</b>
<b>Multiply Whole Numbers:</b> Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76
<b>Divide Whole Numbers:</b> Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104
<b>Multiply &amp; Divide Decimals:</b> Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>2. Whole Numbers, Decimals, and Fractions</b>
<b>c. Add and subtract fractions and mixed numbers to solve problems using a variety of methods (e.g., use fraction strips, find the least common denominator [LCD]).</b>
<b>Add Fractions:</b> Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150
<b>Subtract Fractions:</b> Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176

<b>Standard 4: Geometry and Measurement-The student will apply geometric properties and relationships and use measurements within the metric and customary systems to solve problems in a variety of contexts.</b>
<b>1. Identify and describe the basic properties of figures (e.g., two or three-dimensionality, symmetry, number of faces, types of angles).</b>
<b>Geometric Basics:</b> Cards 83, 84, 85, 86, 87
<b>Geometric Figures:</b> Cards 130, 131, 132, 133, 134, 135, 136, 137, 138
<b>Spatial Sense &amp; Transformations:</b> Cards 232, 235, 237, 238, 240, 241, 242

<b>Standard 4: Geometry and Measurement-The student will apply geometric properties and relationships and use measurements within the metric and customary systems to solve problems in a variety of contexts.</b>
<b>2. Find the perimeter of simple polygons and area of a rectangle (e.g., use 1-inch tiles to build rectangles of different perimeters and areas).</b>
<b>Perimeter, Area &amp; Volume:</b> Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217
<b>Spatial Sense &amp; Transformations:</b> Card 239

<b>Standard 4: Geometry and Measurement-The student will apply geometric properties and relationships and use measurements within the metric and customary systems to solve problems in a variety of contexts.</b>
<b>3. Use nonstandard units (beans, rice, candies) and standard units (centimeter cubes, i-inch cubes) to find the volume of rectangular solids and estimate the volume of other solids.</b>
<b>Weight, Capacity, Temperature &amp; Time:</b> Cards 181, 182, 183, 184
<b>Perimeter, Area &amp; Volume:</b> Cards 214, 215, 216, 217

<b>Standard 4: Geometry and Measurement-The student will apply geometric properties and relationships and use measurements within the metric and customary systems to solve problems in a variety of contexts.</b>
<b>4. Use the appropriate units and tools to estimate and measure temperature, distance, length, volume, and angles.</b>
<b>Linear Measurement:</b> Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60
<b>Geometric Basics:</b> Cards 80, 81, 82
<b>Weight, Capacity, Temperature &amp; Time:</b> Cards 177, 181, 182, 183, 184
<b>Perimeter, Area &amp; Volume:</b> Cards 214, 215, 216, 217

<b>Standard 4: Geometry and Measurement-The student will apply geometric properties and relationships and use measurements within the metric and customary systems to solve problems in a variety of contexts.</b>
<b>5. Convert basic measurements of volume, weight and distance within the same system for metric and customary units (e.g., inches to feet, hours to minutes, centimeters to meters).</b>
<b>Linear Measurement:</b> Cards 52, 53, 55, 56, 57, 58, 59, 60
<b>Weight, Capacity, Temperature &amp; Time:</b> Cards 179, 180, 182, 183, 184, 185, 188

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>Data Analysis</b>
<b>a. Analyze data to create and interpret tables and graphs.</b>
<b>Linear Measurement:</b> Cards 52, 53, 56, 57
<b>Data &amp; Graphs:</b> Cards 155, 156, 157, 158, 159, 160, 161, 162, 163, 164
<b>Weight, Capacity, Temperature &amp; Time:</b> Cards 178, 179, 180, 181, 183, 184, 185
<b>Probability:</b> Cards 281, 282, 283, 284, 286, 288, 289

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>Data Analysis</b>
<b>b. Justify the selection of the type of table or graph (e.g., a line graph may be more appropriate than a bar graph when displaying the height of a person over time).</b>
<b>Data &amp; Graphs:</b> Cards 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>Data Analysis</b>
<b>c. Compare and translate between displays of data (e.g., multiple sets of data on the same graph, Venn diagrams, a combination of diagrams, charts, tables, and graphs).</b>
<b>Data &amp; Graphs:</b> Cards 159, 163, 164

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>Data Analysis</b>
<b>d. Formulate questions, design investigations, consider samples, and collect, organize, and analyze data using observation, measurement, surveys, or experiments (e.g., how far can 5<sup>th</sup> graders throw a softball based on where it first hits the ground?).</b>
<b>Data &amp; Graphs:</b> Cards 155, 156, 157, 158, 159, 160, 161, 162, 163, 164
<b>Probability:</b> Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>Data Analysis</b>
<b>e. Determine the range (spread) and the mean (average) of a set of data.</b>
<b>Data &amp; Graphs:</b> Cards 151, 152, 153, 154, 156

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>Probability</b>
<b>a. Determine the probability of events occurring in familiar contexts or experiments and express probabilities as fractions (e.g., find the fractional probability of an event given a biased spinner).</b>
<b>Probability:</b> Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>Probability</b>
<b>b. List permutations of up to five items.</b>
<b>Probability:</b> Cards 279, 281, 282, 283, 286

***SRA Mathematics Laboratories 2a & 2b***  
**correlation to**  
**Oklahoma Core Curriculum Tests: Mathematics**  
**Grade 5**

**Standard 1: Patterns and Algebraic Reasoning-**The student will use algebraic methods to describe patterns and solve problems in a variety of contexts.

**1. Describe rules that produce patterns found in tables, graphs, and models, and use variables (e.g., boxes, letters, pawns, number cubes, or other symbols) to solve problems or to describe general rules in algebraic expression or equation form.**

***Laboratory 2a:***

**Basic Facts: Add & Subtract:** Cards 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, 111, 112

**Multiply Whole Numbers by 1 Digit:** Cards 113, 114, 115, 117, 119

**Multiply Whole Numbers by 2 Digits:** Cards 140, 141, 142, 145

**Divide Whole Numbers by 1 Digit:** Cards 162, 166

**Patterns & Numbers:** Cards 203, 207

**Divide Whole Numbers by 2 Digits:** Cards 256, 259

***Laboratory 2b:***

**Basic Facts:** Cards 13, 14

**Add & Subtract Whole Numbers:** Cards 33, 37, 38

**Linear Measurement:** Cards 52, 56

**Multiply Whole Numbers:** Cards 65, 66, 67, 68

**Divide Whole Numbers:** Cards 88, 95, 97, 104

**Patterns & Numbers:** Cards 114, 115, 116, 117

**Geometric Figures:** Card 132

**Weight, Capacity, Temperature & Time:** Cards 180, 184

**Multiply & Divide Decimals:** Cards 269, 277

**Process Standard 1: Problem Solving**

**2. Formulate problems from everyday and mathematical situations (e.g., how many forks are needed?, how many students are absent?, how can we share/divide these cookies?, how many different ways can we find to compare these fractions?).**

**Laboratory 2a:**

**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, 31, 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

**Process Standard 1: Problem Solving**

**2. Formulate problems from everyday and mathematical situations (e.g., how many forks are needed?, how many students are absent?, how can we share/divide these cookies?, how many different ways can we find to compare these fractions?).**

**Laboratory 2b:**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

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

**Add & Subtract Whole Numbers:** Cards 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

**Representing Numbers:** Cards 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49

**Linear Measurement:** Cards 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

**Multiply Whole Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76

**Geometric Basics:** Cards 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87

**Divide Whole Numbers:** Cards 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104

**Patterns & Numbers:** Cards 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117

**Fraction Concepts:** Cards 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128

**Geometric Figures:** Cards 129, 130, 131, 132, 133, 134, 135, 136, 137, 138

**Add Fractions:** Cards 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

**Data & Graphs:** Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Subtract Fractions:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176

**Weight, Capacity, Temperature & Time:** Cards 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188

**Multiply & Divide Fractions:** Cards 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

**Perimeter, Area & Volume:** Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217

**Decimal Concepts:** Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231

**Spatial Sense & Transformations:** Cards 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242

**Add & Subtract Decimals:** Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254

**Coordinate Graphs:** Cards 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266

**Multiply & Divide Decimals:** Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

**Probability:** Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

**Percent Concepts:** Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Fractions, Decimals, and Percents</b>
<b>a. Solve problems using decimal numbers to the 1000ths place.</b>
<b>Laboratory 2a:</b> <b>Decimal Concepts:</b> Cards 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218  <b>Add &amp; Subtract Decimals:</b> Cards 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300
<b>Laboratory 2b:</b> <b>Decimal Concepts:</b> Cards 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231  <b>Add &amp; Subtract Decimals:</b> Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254  <b>Multiply &amp; Divide Decimals:</b> Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Fractions, Decimals, and Percents</b>
<b>b. Compare, convert, and order common fractions and decimals to the 1000ths place to solve problems.</b>
<b>Laboratory 2a:</b> <b>Decimal Concepts:</b> Cards 210, 213, 215, 216, 217, 218  <b>Fraction Concepts:</b> Cards 235, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247
<b>Laboratory 2b:</b> <b>Fraction Concepts:</b> Cards 120, 121, 122, 123, 124, 125, 126, 127, 128  <b>Add Fractions:</b> Cards 139, 140  <b>Subtract Fractions:</b> Cards 166, 170, 171  <b>Decimal Concepts:</b> Cards 218, 220, 223, 224, 225, 228, 229, 230, 231  <b>Percent Concepts:</b> Card 295

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Fractions, Decimals, and Percents</b>
<b>c. Represent with models the connection between fractions, decimals, and percents and be able to convert from one representation to another (e.g., use 10 x 10 grids, base-10 blocks; limit fractions to halves, fourths, fifths, and tenths).</b>
<b>Laboratory 2a:</b> <b>Decimal Concepts:</b> Cards 208, 209, 210, 213
<b>Laboratory 2b:</b> <b>Decimal Concepts:</b> Cards 218, 220, 223, 229, 230, 231  <b>Percent Concepts:</b> Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>1. Fractions, Decimals, and Percents</b>
<b>d. Explain verbally with manipulatives and diagrams 25%, 50%, 75%; use these percents to solve problems and relate them to their corresponding fractions and decimals.</b>
<b>Laboratory 2b:</b> <b>Decimal Concepts:</b> Cards 229, 230, 231
<b>Percent Concepts:</b> Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>2. Basic Number Theory Concepts</b>
<b>a. Apply the basic properties of arithmetic: commutative, associative, distributive, and identity (e.g., show <math>2(5 + 1) = (2 \cdot 5) + (2 \cdot 1)</math>, given <math>(5 + 1) + (5 + 1)</math> regroup to show that this equals <math>(5 + 5) + (1 + 1)</math> concluding with <math>(2 \cdot 5) + (2 \cdot 1)</math>) to solve problems.</b>
<b>Laboratory 2a:</b> <b>Basic Facts: Add &amp; Subtract:</b> Cards 10, 13
<b>Basic Facts: Multiply &amp; Divide:</b> Cards 102, 103
<b>Laboratory 2b:</b> <b>Basic Facts:</b> Cards 2, 8, 9, 12, 14
<b>Representing Numbers:</b> Card 48

<b>Standard 2: Number Sense-The student will demonstrate an understanding of the basic concepts and properties of real numbers.</b>
<b>2. Basic Number Theory Concepts</b>
<b>b. Identify and apply factors, multiples, prime, and composite numbers in a variety of problem-solving situations (e.g., build rectangular arrays for numbers 1-100 and classify as prime or composite).</b>
<b>Laboratory 2a:</b> <b>Patterns &amp; Numbers:</b> Cards 197, 198, 199, 200, 201, 202, 207
<b>Laboratory 2b:</b> <b>Representing Numbers:</b> Card 41
<b>Patterns &amp; Numbers:</b> Cards 105, 106, 107, 108, 110, 111, 112, 113, 117

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>1. Estimation</b>
<b>a. Use estimation skills to determine solutions to problems involving decimals.</b>
<b>Laboratory 2a:</b> <b>Decimal Concepts:</b> Cards 214, 218
<b>Laboratory 2b:</b> <b>Decimal Concepts:</b> Cards 226, 227, 231
<b>Add &amp; Subtract Decimals:</b> Cards 244, 248, 249, 254

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>1. Estimation</b>
<b>b. Apply estimation skills to solve problems involving common percents and equivalent fractions.</b>
<b>Laboratory 2b:</b> Add Fractions: Cards 145, 150
<b>Percent Concepts:</b> Cards 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>2. Whole Numbers, Decimals, and Fractions</b>
<b>a. Add and subtract decimal numbers with the same and different place values (e.g., <math>3.72 + 1.4</math>) to solve problems.</b>
<b>Laboratory 2a:</b> Add & Subtract Decimals: Cards 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300
<b>Laboratory 2b:</b> Add & Subtract Decimals: Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>2. Whole Numbers, Decimals, and Fractions</b>
<b>b. Multiply and divide whole numbers and decimal numbers with 1- or 2-digit multipliers or divisors to solve problems.</b>
<b>Laboratory 2a:</b> 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, 129, 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
<b>Laboratory 2b:</b> 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
Multiply & Divide Decimals: Cards 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278

<b>Standard 3: Number Operations and Computation-The student will estimate and compute with whole numbers, decimals, and fractions.</b>
<b>2. Whole Numbers, Decimals, and Fractions</b>
<b>c. Add and subtract fractions and mixed numbers to solve problems using a variety of methods (e.g., use fraction strips, find the least common denominator [LCD]).</b>
<b>Laboratory 2a:</b> Patterns & Numbers: Card 202  Add & Subtract Fractions: Cards 260, 261, 262, 263, 264, 265, 266, 267, 268, 269
<b>Laboratory 2b:</b> 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, 173, 174, 175, 176

<b>Standard 4: Geometry and Measurement-The student will apply geometric properties and relationships and use measurements within the metric and customary systems to solve problems in a variety of contexts.</b>
<b>1. Identify and describe the basic properties of figures (e.g., two or three-dimensionality, symmetry, number of faces, types of angles).</b>
<b>Laboratory 2a:</b> Geometric Figures: Cards 130, 131, 132, 133, 134, 135, 136, 137, 138, 139  Geometry Basics: Cards 151, 152, 153, 154, 155, 156, 157, 158, 159, 160  Spatial Sense & Transformations: Cards 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280
<b>Laboratory 2b:</b> Geometric Basics: Cards 83, 84, 85, 86, 87  Geometric Figures: Cards 130, 131, 132, 133, 134, 135, 136, 137, 138  Spatial Sense & Transformations: Cards 232, 235, 237, 238, 240, 241, 242

<b>Standard 4: Geometry and Measurement-The student will apply geometric properties and relationships and use measurements within the metric and customary systems to solve problems in a variety of contexts.</b>
<b>2. Find the perimeter of simple polygons and area of a rectangle (e.g., use 1-inch tiles to build rectangles of different perimeters and areas).</b>
<b>Laboratory 2a:</b> Perimeter & Area: Cards 186, 187, 188, 189, 190, 191, 192, 193, 194, 195
<b>Laboratory 2b:</b> Perimeter, Area & Volume: Cards 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217  Spatial Sense & Transformations: Card 239

<b>Standard 4: Geometry and Measurement-The student will apply geometric properties and relationships and use measurements within the metric and customary systems to solve problems in a variety of contexts.</b>
<b>5. Convert basic measurements of volume, weight and distance within the same system for metric and customary units (e.g., inches to feet, hours to minutes, centimeters to meters).</b>
<b>Laboratory 2a:</b> <b>Linear Measurement:</b> Cards 85, 86, 87, 89, 90, 92, 93, 96, 97  <b>Weight, Capacity, &amp; Temperature:</b> Cards 226, 227, 228, 229, 231
<b>Laboratory 2b:</b> <b>Linear Measurement:</b> Cards 52, 53, 55, 56, 57, 58, 59, 60  <b>Weight, Capacity, Temperature &amp; Time:</b> Cards 179, 180, 182, 183, 184, 185, 188

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>1. Data Analysis</b>
<b>a. Analyze data to create and interpret tables and graphs.</b>
<b>Laboratory 2a:</b> <b>Data &amp; Graphs:</b> Cards 177, 178, 179, 180, 181, 182, 183, 184, 185
<b>Laboratory 2b:</b> <b>Linear Measurement:</b> Cards 52, 53, 56, 57  <b>Data &amp; Graphs:</b> Cards 155, 156, 157, 158, 159, 160, 161, 162, 163, 164  <b>Weight, Capacity, Temperature &amp; Time:</b> Cards 178, 179, 180, 181, 183, 184, 185  <b>Probability:</b> Cards 281, 282, 283, 284, 286, 288, 289

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>1. Data Analysis</b>
<b>b. Justify the selection of the type of table or graph (e.g., a line graph may be more appropriate than a bar graph when displaying the height of a person over time).</b>
<b>Laboratory 2a:</b> <b>Data &amp; Graphs:</b> Cards 177, 178, 179, 180, 181, 182, 183, 184, 185
<b>Laboratory 2b:</b> <b>Data &amp; Graphs:</b> Cards 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>1. Data Analysis</b>
<b>c. Compare and translate between displays of data (e.g., multiple sets of data on the same graph, Venn diagrams, a combination of diagrams, charts, tables, and graphs).</b>
<b>Laboratory 2a:</b> <b>Data &amp; Graphs:</b> Cards 177, 178, 179, 180, 181, 182, 183, 184, 185
<b>Laboratory 2b:</b> <b>Data &amp; Graphs:</b> Cards 159, 163, 164

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>1. Data Analysis</b>
<b>d. Formulate questions, design investigations, consider samples, and collect, organize, and analyze data using observation, measurement, surveys, or experiments (e.g., how far can 5<sup>th</sup> graders throw a softball based on where it first hits the ground?).</b>
<b>Laboratory 2a:</b> <b>Data &amp; Graphs:</b> Cards 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185  <b>Probability:</b> Cards 281, 282, 283, 284, 285, 286, 287, 288
<b>Laboratory 2b:</b> <b>Data &amp; Graphs:</b> Cards 155, 156, 157, 158, 159, 160, 161, 162, 163, 164  <b>Probability:</b> Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>1. Data Analysis</b>
<b>e. Determine the range (spread) and the mean (average) of a set of data.</b>
<b>Laboratory 2a:</b> <b>Data &amp; Graphs:</b> Cards 174, 175, 176, 180  <b>Laboratory 2b:</b> <b>Data &amp; Graphs:</b> Cards 151, 152, 153, 154, 156

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>2. Probability</b>
<b>a. Determine the probability of events occurring in familiar contexts or experiments and express probabilities as fractions (e.g., find the fractional probability of an event given a biased spinner).</b>
<b>Laboratory 2a:</b> <b>Probability:</b> Cards 281, 282, 283, 284, 285, 286, 287, 288  <b>Laboratory 2b:</b> <b>Probability:</b> Cards 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289

<b>Standard 5: Data Analysis and Probability-The student will use data analysis, statistics and probability to interpret data in a variety of contexts.</b>
<b>2. Probability</b>
<b>b. List permutations of up to five items.</b>
<b>Laboratory 2a:</b> <b>Probability:</b> Cards 281, 282, 285, 286, 288  <b>Laboratory 2b:</b> <b>Probability:</b> Cards 279, 281, 282, 283, 286

***SRA Mathematics Laboratory 2c***  
**correlation to**  
**Oklahoma Priority Academic Student Skills Mathematics Content Standards**  
**Grade 6**

**Process Standard 1: Problem Solving**

**1. Develop and test strategies to solve practical, everyday problems which may have single or multiple answers.**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108

**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121

**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137

**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175

**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187

**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212

**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227

**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272

**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 1: Problem Solving**

**2. Use technology to generate and analyze data to solve problems.**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108

**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121

**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137

**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175

**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187

**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212

**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227

**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272

**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 1: Problem Solving****3. Formulate problems from situations within and outside of mathematics and generalize solutions and strategies to new problem situations.**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108

**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121

**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137

**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175

**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187

**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212

**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227

**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272

**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 1: Problem Solving**

**4. Evaluate results to determine their reasonableness.**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108

**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121

**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137

**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175

**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187

**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212

**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227

**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272

**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 1: Problem Solving****5. Apply a variety of strategies (e.g., restate the problem, look for a patterns, diagrams, solve a simpler problem, work backwards, trial and error) to solve problems with emphasis on multistep and nonroutine problems.****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 1: Problem Solving**

**6. Use oral, written, concrete, pictorial, graphical, and/or algebraic methods to model mathematical situations.**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108

**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121

**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137

**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175

**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187

**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212

**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227

**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272

**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 2: Communication****1. Discuss, interpret, translate (from one to another) and evaluate mathematical ideas (e.g., oral, written, pictorial, concrete, graphical, algebraic).****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 2: Communication****2. Reflect on and justify reasoning in mathematical problem solving (e.g., convince, demonstrate, formulate).**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108

**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121

**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137

**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175

**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187

**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212

**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227

**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272

**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 2: Communication****3. Select and use appropriate terminology when discussing mathematical concepts and ideas.**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108

**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121

**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137

**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175

**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187

**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212

**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227

**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272

**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 3: Reasoning****1. Identify and extend patterns and use experiences and observation to make suppositions.**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108

**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121

**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137

**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175

**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187

**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212

**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227

**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272

**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 3: Reasoning****2. Use counter examples to disprove suppositions (e.g., all squares are rectangles, but are all rectangles squares?).**

**Patterns & Numbers:** Cards 90, 94

**Measurement:** Card 119

**Geometric Figures:** Card 168

**Probability:** Cards 191, 197, 198, 199, 200, 201

**Process Standard 3: Reasoning****3. Develop and evaluate mathematical arguments (e.g., agree or disagree with the reasoning of other classmates and explain why).****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 3: Reasoning****4. Select and use various types of reasoning (e.g., recursive [loops], inductive [specific to general], deductive [general to specific], spatial, and proportional).****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 4: Connections****1. Apply mathematical strategies to solve problems that arise from other disciplines and the real world.**

**Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41

**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73

**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94

**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108

**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121

**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137

**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175

**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187

**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212

**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227

**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240

**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272

**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283

**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 4: Connections****2. Connect one area or idea of mathematics to another (e.g., relate equivalent number representations to each other, relate experiences with geometric shapes to understanding ratio and proportion).****Basic Facts:** Cards 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14**Add & Subtract Whole Numbers:** Cards 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31**Place Value: Whole Numbers:** Cards 32, 33, 34, 35, 36, 37, 38, 39, 40, 41**Multiply & Divide Whole Numbers:** Cards 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59**Representing Numbers:** Cards 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73**Weight, Capacity & Time:** Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94**Fraction & Decimal Concepts:** Cards 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108**Measurement:** Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121**Add & Subtract Fractions:** Cards 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137**Data and Graphs:** Cards 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153**Multiply & Divide Fractions:** Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175**Add & Subtract Decimals:** Cards 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187**Probability:** Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201**Multiply Decimals:** Cards 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212**Perimeter & Area:** Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227**Divide Decimals:** Cards 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252**Using Decimals & Percents:** Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

**Process Standard 5: Representation****1. Use a variety of representations to organize and record data (e.g., use concrete, pictorial, and symbolic representations).****Basic Facts:** Cards 3, 7, 11, 13, 14**Add & Subtract Whole Numbers:** Cards 21, 26, 31**Place Value: Whole Numbers:** Cards 32, 33, 37, 38, 41**Multiply & Divide Whole Numbers:** Cards 55, 59**Patterns & Numbers:** Cards 85, 87, 88, 89, 91, 93, 94**Measurement:** Cards 115, 116, 117, 120**Data and Graphs:** Cards 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153**Multiply & Divide Fractions:** Card 154**Geometric Figures:** Cards 169, 171**Probability:** Cards 189, 190, 192, 193, 194, 195, 196**Perimeter & Area:** Cards 216, 220**Spatial Sense & Transformations:** Cards 268, 269, 270, 271, 272, 273**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283**Coordinate Graphs:** Cards 287, 288, 289, 290, 291**Algebra Concepts:** Cards 292, 293, 294, 295, 296, 300

**Process Standard 5: Representation****2. Use representations to promote the communication of mathematical ideas (e.g., number lines, rectangular coordinate systems, scales to illustrate the balance of equations).****Basic Facts:** Cards 2, 3, 5, 6, 11, 13, 14**Add & Subtract Whole Numbers:** Cards 21, 22, 26, 31**Place Value: Whole Numbers:** Cards 32, 33, 34, 37, 38, 41**Multiply & Divide Whole Numbers:** Cards 55, 59**Representing Numbers:** Cards 61, 62, 63, 64, 65, 66, 67, 68, 71, 72**Patterns & Numbers:** Cards 85, 86, 87, 88, 90, 91, 93, 94**Fraction & Decimal Concepts:** Card 95**Measurement:** Cards 109, 110, 111, 112, 113, 115, 116, 117, 118, 119, 120, 121**Data and Graphs:** Cards 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153**Multiply & Divide Fractions:** Card 154**Geometric Figures:** Cards 167, 168, 169, 170, 171**Probability:** Cards 188, 189, 190, 192, 193, 195, 196, 197, 199, 200, 201**Perimeter & Area:** Cards 216, 219, 220, 221, 222, 223, 224, 226, 227**Surface Area & Volume:** Cards 241, 242, 243, 244, 245, 248, 249, 250, 251, 252**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291**Algebra Concepts:** Cards 292, 293, 294

**Process Standard 5: Representation****3. Develop a variety of mathematical representations that can be used flexibly and appropriately (e.g., base-10 blocks to represent fractions and decimals, appropriate graphs to represent data).****Basic Facts:** Cards 6, 11, 14**Add & Subtract Whole Numbers:** Cards 26, 31**Place Value: Whole Numbers:** Cards 37, 41**Multiply & Divide Whole Numbers:** Cards 55, 59**Representing Numbers:** Cards 63, 64, 65, 66, 67, 68**Patterns & Numbers:** Cards 91, 94**Data and Graphs:** Cards 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153**Multiply & Divide Fractions:** Card 154**Geometric Figures:** Cards 169, 171, 172, 174, 175**Probability:** Cards 189, 190, 192, 193, 195, 196**Spatial Sense & Transformations:** Cards 268, 269, 270, 271, 272**Ratios & Proportions:** Cards 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291

**Process Standard 5: Representation****4. Use a variety of representations to model and solve physical, social, and mathematical problems (e.g., geometric objects, pictures, charts, tables, graphs).****Basic Facts:** Cards 2, 5, 6, 11, 14**Add & Subtract Whole Numbers:** Cards 21, 22, 26, 31**Place Value: Whole Numbers:** Cards 32, 37, 38, 41**Multiply & Divide Whole Numbers:** Cards 55, 59**Representing Numbers:** Cards 63, 64, 65, 66, 67, 68**Patterns & Numbers:** Cards 91, 93, 94**Fraction & Decimal Concepts:** Card 95**Measurement:** Cards 109, 110, 111, 112, 113, 115, 116, 117, 118, 119, 120, 121**Data and Graphs:** Cards 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153**Multiply & Divide Fractions:** Card 154**Geometric Figures:** Cards 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175**Probability:** Cards 189, 190, 191, 192, 193, 195, 196, 197, 199, 200, 201**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, 249, 250, 251, 252**Spatial Sense & Transformations:** Cards 263, 264, 265, 266, 267, 268, 269, 270, 271, 272**Ratios & Proportions:** Cards 274, 276, 277**Coordinate Graphs:** Cards 284, 285, 286, 287, 288, 289, 290, 291**Standard 1: Patterns and Algebraic Reasoning-The student will use algebraic methods to describe patterns and simplify algebraic expressions in a variety of contexts.****1. Extend and create patterns from tables, graphs, rules and number properties and generalize patterns algebraically (e.g., recursive patterns like Fibonacci numbers, number sequences, prime and composite numbers).****Basic Facts:** Cards 11, 14**Add & Subtract Whole Numbers:** Cards 26, 31**Multiply & Divide Whole Numbers:** Cards 42, 43, 50, 55, 59**Representing Numbers:** Card 61**Patterns & Numbers:** Cards 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94**Geometric Figures:** Cards 167, 169, 171**Probability:** Cards 189, 190, 192, 193, 195, 196**Coordinate Graphs:** Cards 289, 290, 291

<b>Standard 1: Patterns and Algebraic Reasoning-The student will use algebraic methods to describe patterns and simplify algebraic expressions in a variety of contexts.</b>
<b>2. Use substitution and order of operations to simplify and evaluate algebraic expressions (e.g., if <math>x = 5</math> evaluate <math>2x + 3</math>).</b>
<b>Basic Facts:</b> Cards 1, 2, 4, 5, 6, 8, 9, 10, 11, 12, 14
<b>Add &amp; Subtract Whole Numbers:</b> Cards 26, 31
<b>Multiply &amp; Divide Whole Numbers:</b> Cards 55, 56, 59
<b>Geometric Figures:</b> Card 171
<b>Perimeter &amp; Area:</b> Cards 213, 214, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227
<b>Surface Area &amp; Volume:</b> Cards 243, 244, 245, 246, 247, 248, 249, 250, 251, 252
<b>Coordinate Graphs:</b> Cards 289, 290, 291
<b>Algebra Concepts:</b> Cards 292, 293, 294, 295, 296, 297, 298, 299, 300

<b>Standard 2: Number Sense-The student will use numbers and number relationships to solve problems.</b>
<b>1. Multiply and divide fractions and mixed numbers to solve problems using a variety of methods.</b>
<b>Multiply &amp; Divide Fractions:</b> Cards 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164

<b>Standard 2: Number Sense-The student will use numbers and number relationships to solve problems.</b>
<b>2. Convert, compare and order decimals (terminating and nonterminating), fractions and percents using a variety of methods.</b>
<b>Fraction &amp; Decimal Concepts:</b> Cards 99, 100, 101, 103, 104, 105, 106, 107, 108
<b>Divide Decimals:</b> Card 239
<b>Using Decimals &amp; Percents:</b> Cards 253, 254, 255, 256, 257, 258, 259, 260, 261, 262

<b>Standard 2: Number Sense-The student will use numbers and number relationships to solve problems.</b>
<b>3. Estimate solution to single and multistep problems using whole numbers, decimals, fractions, and percents and assess whether solutions are reasonable (e.g., <math>7/8 + 8/9</math> is about 2, <math>0.9 + 0.3</math> is about 1).</b>
<b>Add &amp; Subtract Whole Numbers:</b> Cards 15, 16, 17, 23, 24, 25, 31
<b>Multiply &amp; Divide Whole Numbers:</b> Cards 44, 49, 51, 59
<b>Fraction &amp; Decimal Concepts:</b> Card 102
<b>Add &amp; Subtract Fractions:</b> Cards 127, 129, 131, 137
<b>Add &amp; Subtract Decimals:</b> Cards 177, 181, 182
<b>Divide Decimals:</b> Cards 228, 238, 240

<b>Standard 2: Number Sense-The student will use numbers and number relationships to solve problems.</b>
<b>4. Build and explore multiples and their patterns to develop the concept of exponents.</b>
<b>Basic Facts:</b> Cards 12, 13, 14
<b>Multiply &amp; Divide Whole Numbers:</b> Cards 42, 43, 50
<b>Patterns &amp; Numbers:</b> Cards 86, 87, 88, 89, 90, 94
<b>Multiply Decimals:</b> Cards 211, 212

<b>Standard 2: Number Sense-The student will use numbers and number relationships to solve problems.</b>
<b>5. Simplify numerical expressions with exponents and parentheses using order of operations.</b>
<b>Basic Facts:</b> Cards 4, 8, 9, 10, 12, 13, 14
<b>Representing Numbers:</b> Cards 60, 61, 62, 66
<b>Patterns &amp; Numbers:</b> Cards 93, 94
<b>Multiply Decimals:</b> Cards 211, 212
<b>Algebra Concepts:</b> Cards 295, 296, 297, 300

<b>Standard 3: Geometry-The student will use geometric properties and relationships to recognize, describe, and analyze shapes and representations in a variety of contexts.</b>
<b>1. Angles</b>
<b>a. Compare, estimate, and determine the measurement of angles.</b>
<b>Measurement:</b> Cards 112, 113, 115, 116, 118, 120, 121
<b>Geometric Figures:</b> Cards 169, 171, 175

<b>Standard 3: Geometry-The student will use geometric properties and relationships to recognize, describe, and analyze shapes and representations in a variety of contexts.</b>
<b>1. Angles</b>
<b>b. Find the complement and supplement of an angle.</b>
<b>Measurement:</b> Cards 116, 121

<b>Standard 3: Geometry-The student will use geometric properties and relationships to recognize, describe, and analyze shapes and representations in a variety of contexts.</b>
<b>2. Differentiate between congruent and similar figures.</b>
<b>Spatial Sense &amp; Transformations:</b> Cards 263, 264, 265, 266, 267

<b>Standard 3: Geometry-The student will use geometric properties and relationships to recognize, describe, and analyze shapes and representations in a variety of contexts.</b>
<b>3. Describe the effect of performing basic transformations on object and figures in a variety of contexts (e.g., explore reflection [flip] with mirror, explore rotation [turn] and translation [slide] by designing the layout of different shapes if floor tile).</b>
<b>Spatial Sense &amp; Transformations:</b> Cards 263, 264, 267, 268, 269, 270, 271, 272

<b>Standard 4: Measurement-The student will use measurements within the metric and U.S. customary system to solve problems in a variety of contexts.</b>
<b>1. Collect data and develop formulas to find the circumference and area of circles (e.g., use string the length of the diameter of various circular lids to approximate the circumference and develop the concept of pi).</b>
<b>Perimeter &amp; Area:</b> Cards 224, 225, 226, 227
<b>Surface Area &amp; Volume:</b> Cards 244, 245, 249, 251, 252

<b>Standard 4: Measurement-The student will use measurements within the metric and U.S. customary system to solve problems in a variety of contexts.</b>
<b>2. Compare and convert units with the same measurement system; express conversions using appropriate unit labels (e.g., square inches to square feet, centimeters to millimeters, hours to minutes); and compute measurements of combined units (e.g., 9'8" = 3'6" = ___ " and ___ ", 150 minutes = ___ hours and ___ minutes).</b>
<b>Weight, Capacity &amp; Time:</b> Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83

<b>Standard 4: Measurement-The student will use measurements within the metric and U.S. customary system to solve problems in a variety of contexts.</b>
<b>3. Find reasonable estimates for measurements using measurements in standard and metric units.</b>
<b>Weight, Capacity &amp; Time:</b> Cards 74, 75, 76, 77, 78, 79, 80, 81, 82, 83
<b>Measurement:</b> Cards 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121
<b>Perimeter &amp; Area:</b> Cards 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227
<b>Surface Area &amp; Volume:</b> Cards 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252

<b>Standard 5: Data Analysis and Statistics-The student will use data analysis and statistics to interpret data in a variety of contexts.</b>
<b>1. Collect, organize, and interpret data to solve problems (e.g., data from student experiments, tallies, Venn diagrams, tables, circle and bar graphs, spreadsheets).</b>
<b>Basic Facts:</b> Cards 11, 14
<b>Add &amp; Subtract Whole Numbers:</b> Cards 26, 31
<b>Multiply &amp; Divide Whole Numbers:</b> Cards 55, 59
<b>Patterns &amp; Numbers:</b> Cards 91, 94
<b>Data and Graphs:</b> Cards 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153
<b>Probability:</b> Cards 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201

<b>Standard 5: Data Analysis and Statistics-The student will use data analysis and statistics to interpret data in a variety of contexts.</b>
<b>2. Construct and interpret graphs of statistical data (e.g., explain how different representations lead to different interpretations and may distort information).</b>
<b>Data and Graphs:</b> Cards 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153

<b>Standard 5: Data Analysis and Statistics-The student will use data analysis and statistics to interpret data in a variety of contexts.</b>
<b>3. Find the median and mode for a set of data in a variety of contexts.</b>
<b>Data and Graphs:</b> Cards 138, 139, 140, 145