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| **McRuffy Color Math 4** | **Lessons/Assignments**  **(4-5 per week/160 total)** |
| Week 1  Lessons 1-4 | L 1: Review basic facts, place value, identify patterns, auditory math skills  L 2: Review basic facts, place value to hundred thousands, coin values and counting  L 3: Review mixed facts, read graphs, recognize patterns of change  L 4: Review place value, basic facts, basic shapes, interpret story problems  L 5: Review basic facts, place value, reads clocks to the minute, measure in inches  L 6: Basic multiplication facts, zero properties, write fractions for groups  L 7: Basic multiplication facts, identity property of multiplication, time, fractions  L 8: Basic multiplication facts, convert times, add times, write fractions  L 9: Review multiplication facts, add coins, convert times, review place value  L 10: Review multiplication facts, read a graph, time conversions, geoboard designs  L 11: Review division facts, place value, complete math machines, add times  L 12: Review division facts, count back change, inequalities, measuring in centimeters  L 13: Review division facts, adding decimals, odd and even, 3-D solids  L 14: Review division facts, subtract decimals, picture graph, odd and even  L 15: Review division facts, story problems, build 3-D designs, add time periods  L 16: Review odd and even, add large #s, round #s, write fractions and decimals  L 17: Review rounding tens, add large #s, area and perimeter, decimals, and rounding  L 18: Review rounding, add large #s, record data on graph, decimal equivalents  L 19: Review rounding, add large #s, write fractions as decimals, geometric flips  L 20: Rounding tens and thousands, addition, multiplication and division, place value  L 21: UNIT ONE TEST  L 22: Review division facts, subtraction, decimals, area and perimeter, patterns  L 23: Review division facts, subtraction, decimals for thirds, make change  L 24: Review division facts, subtraction, decimals for sixths, range, median, mode  L 25: Review division facts, subtraction, decimals and fractions, find unknowns  L 26: Review multiplication, elapsed time, range, fraction and decimal equivalents  L 27: Review multiplication, areas of shapes, range, median, mode, story problems  L 28: Review multiplication, match fractions to decimals, elapsed time, count coins  L 29: Review multiplication, decimals and fractions, whole numbers and fractions  L 30: Review multiplication, elapsed time, fractions and decimals, 3-D designs  L 31: Review long division, add decimals, compare fractions and decimals, time  L 32: Long division, subtraction with decimals, count coins, compare fractions  L 33: Convert fractions to decimals, division, elapsed time, patterns of change  L 34: Division, rounding, area, story problems, number words  L 35: Division, adding and subtracting decimals, fraction/decimal conversions  L 36: Review multiplication, fraction/decimal comparison, patterns, cardinal points  L 37: Division, elapsed time, estimate times, make change, cardinal points  L 38: Division, addition, number words, whole #s, fractions, and decimals  L 39: Division, subtraction, rounding, area, range, median, and mode  L 40: Division, add and subtract decimals, multiple operations, describe patterns  L 41: UNIT TWO TEST  L 42: Add 3 #s, parallel lies, add times, area and perimeter of rectangles  L 43: Add 3 #s, identify angles, round #s to ten thousands, match equivalent fractions  L 44: Add 3#s, angles, rounding, story problems, review words for numbers  L 45: Add 3#s, perpendicular lines, geometric flips, math machine problems  L 46: Review money, problems with variables, convert fractions to decimals, shapes  L 47: Add dollars, problems with unknowns, write twentieths as decimals, shapes  L 48: Subtract money, problems with unknowns, angles, collect data and make graph  L 49: Add money, problems with unknowns, put decimals in order, design attributes  L 50: Add and subtract money, problems with unknowns, 3-D designs, attributes  L 51: Division, convert fractions to decimals, diameter of circle, negative numbers  L 52: Division, decimals and fraction, radius of circle, negative numbers on # line  L 53: Division, write decimals for fractions, diameter and radius of circle, negative #s  L 54: Division, write decimals for fractions, angles, compare negative numbers  L 55: Division, diameter and radius, decimals for fractions, pentomino designs  L 56: Multiplication, compare fractions, add times and designate a.m. or p.m.  L 57: Multiplication, label lines, compare fractions, add times  L 58: Review multiplication, convert fractions, congruent shapes, make change  L 59: Multiplication, compare fractions, time story problems, congruent shapes  L 60: Multiplication, add 3 #s, compare fractions, review geometry vocabulary  L 61: UNIT THREE TEST  L 62: Division with remainders, classify triangles, read thermometers  L 63: Division with remainders, classify triangles, find coordinates  L 64: Division with remainders, probability, math machine, find coordinates  L 65: Division with remainders, plot coordinates, classify triangles, complete chart  L 66: Division with remainders, problems with parentheses, subtract times  L 67: Division with remainders, elapsed times, negative #s, counting coins  L 68: Division with remainders, elapsed times, negative #s, probability trees  L 69: Division with remainders, elapsed times, probability tree, geometry vocabulary  L 70: Division with remainders, add times, identify triangles, pentomino designs  L 71: Multiply decimals, multiply by tens, rounding, mixed #s on # line  L 72: Multiply decimals, estimated answers, mixed numbers, subtract time  L 73: Multiply decimals, estimated answers, mixed numbers, subtract time  L 74: Multiply decimals, plot points, round to estimate, mixed numbers  L 75: Add fractions, subtract money, make 3-D designs  L 76: Multiply 2-digit #s, add fractions, classify triangles, mixed #s on # lines  L 77: Multiply 2-digit #s, add fractions, add times, probability tree, plot coordinates  L 78: Multiply 2-digit #s, add fractions, find points between #s, probability trees  L 79: Multiply 2-digit #s, add fractions, long division, compare negative #s  L 80: Multiply 2-digit #s, add fractions, plot coordinates, estimate, probability trees  L 81: UNIT FOUR TEST  L 82: Add 3 #s, subtract fractions, convert improper fractions to mixed #s, time  L 83: Add 3 #s, subtract fractions, mixed #s for improper fractions, time units  L 84: Add 3 #s, subtract fractions, mixed #s for improper fractions, time  L 85: Add 3 #s, subtract fractions, mixed #s for improper fractions, time  L 86: Multiply dollars, degrees of turning, mixed #s for improper fractions  L 87: Multiply dollars, mixed #s for improper fractions, degrees of turning  L 88: Multiply dollars, mixed #s for improper fractions, degrees of turning  L 89: Multiply dollars, mixed #s for improper fractions, add mixed #s  L 90: Multiply dollars, mixed #s for improper fractions, add mixed #s  L 91: Divide money, identify triangles, label angles, subtract mixed #s  L 92: Divide money, label angles, subtract mixed #s, flips and turns, decimals  L 93: Divide money, improper fractions as mixed #s, subtract mixed #s  L 94: Divide money, label angles, subtract fractions, flips and turns  L 95: Divide money, recognize angles, subtract fractions, make 3-D designs  L 96: Subtraction, graph equations, area and perimeter of irregular shapes  L 97: Subtractions, graph equations, area and perimeter, time conversions  L 98: Subtraction, add and subtract fractions, mixed #s and improper fractions  L 99: Subtraction, graph lines, degrees of turning, order decimals  L 100: Subtraction, divide money, compare times, label angles, degrees of turning  L 101: UNIT FIVE TEST  L 102: Divide and write remainders as fractions, divisibility rules for 2 and 4  L 103: Division with fraction remainders, divisibility rules for 3 and 6, graphing  L 104: Division with fraction remainders, divisibility rules, graphing  L 105: Division, divisibility rules for 5 and 10, pentomino designs  L 106: Convert fractions to decimals with division, simplify fractions, divisibility by 7  L 107: Convert fractions to decimals, simplify fractions, divisibility by 7  L 108: Convert fractions to decimals, simplify fractions, divisibility rules, graph lines  L 109: Convert fractions to decimals, simplify fractions, divisibility, area, perimeter  L 110: Convert fractions to decimals, simplify fractions, divisibility, 3-D designs  L 111: Multiplication, divide whole #s by fractions, divisibility, rounding  L 112: Multiplication, divide whole #s by fractions, read schedule, rounding to tenths  L 113: Multiplication, interpret diagrams, make a graph, review divisibility rules  L 114: Multiplication, simplify fractions, problems with multiple operations  L 115: Multiplication, simplify fractions, find fractions of numbers  L 116: Division, distributive property, simplify fractions, rounding to tenths  L 117: Division, distributive property, find fractions of whole numbers  L 118: Division, distributive property, divisibility rules, read a schedule  L 119: Decimals for improper fractions, distributive property, divisibility rules  L 120: Multiplication, distributive property, divisibility, flips, rotations, schedules  L 121: UNIT SIX TEST  L 122: Add large #s, distributive property with negative #s, prime #s  L 123: Add large #s, prime #s, simplify fractions, distributive property  L 124: Add large #s, place value to tenths, convert fractions to decimals, time  L 125: Prime #s, add #s in millions, patterns, 3-D designs  L 126: Prime #s, subtract large #s, patterns, distributive property, 3-D shapes  L 127: Subtract large #s, factoring, distributive property, commutative property  L 128: Subtract large #s, factoring, match equations to x, y pairs, identify solids  L 129: Subtract large #s, factoring, read a chart  L 130: Subtract large #s, factoring, identify properties, pentomino designs  L 131: Multiply #s with zeros, associative property, factoring, multiple operations  L 132: Multiply #s with zeros, associative property, factoring, story problems  L 133: Mental math, equivalent fractions, properties, Venn diagrams  L 134: Mental math, equivalent fractions, properties, symmetrical designs  L 135: Mental math, match solids to edges and sides, equivalent fractions, symmetry  L 136: Add large #s, add and subtract decimals, prime #s, simplify fractions  L 137: Subtract large #s, add fractions with unlike denominators, properties  L 138: Multiply #s with zeros, add fractions, properties, classify with Venn diagrams  L 139: Multiply #s with zeros, add fractions, story problems, attributes of solids  L 140: Mental math, add fractions, line graph, prime #s, factoring  L 141: UNIT SEVEN TEST  L 142: Estimate quotients, area of triangles, convert inches to yards, feet, and inches  L 143: Estimate quotients, add fractions, area of triangles, convert inches  L 144: Estimate products, subtract fractions, area of triangles, convert centimeters  L 145: Estimate products, subtract fractions, area of triangles, units of measure  L 146: Review factoring, add decimals, calculate differences in lengths, probability  L 147: Review factoring, add decimals, subtract fractions, length, volume  L 148: Review factoring, subtract decimals and fractions, area of triangle, volume  L 149: Review factors, subtract decimals and fractions, area of triangle, probability  L 150: Review factors, subtract decimals, story problems, length, shapes, quiz  L 151: Division with 2-digit divisors, convert units, probability of events  L 152: Division with 2-digit divisors, area of irregular shapes, convert units  L 153: Division, add fractions and write as mixed #s, units of measure, decimals  L 154: Division, add fractions, flips, rotations, and slides, factoring  L 155: Division, add fractions, units of volume, calculate differences in length  L 156: Division, area of irregular shapes, estimate probability  L 157: Division, subtract fractions with unlike denominators, units of volume  L 158: Division, subtract fractions with unlike denominators, area of triangle  L 159: Division, subtract fractions, length, flips, slides, and rotations  L 160: UNIT EIGHT TEST |
| Week 2  Lessons 5-9 |
| Week 3  Lessons 10-14 |
| Week 4  Lessons 15-18 |
| Week 5  Lessons 19-23 |
| Week 6  Lessons 24-27 |
| Week 7  Lessons 28-32 |
| Week 8  Lessons 33-36 |
| Week 9  Lessons 37-40 |
| Week 10  Lessons 41-44 |
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| Week 13  Lessons 54-57 |
| Week 14  Lessons 58-61 |
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| Week 16  Lessons 67-70 |
| Week 17  Lessons 71-75 |
| Week 18  Lessons 76-79 |
| Week 19  Lessons 80-84 |
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| Week 30  Lessons 131-134 |
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| Week 36  Lessons 157-160 |