## Math 7 lesson plan

Week	Book assignment	Student mentoring	Assessment(s)
Semester 1			
Week 1	<ol> <li>1) Lesson 1 practice and odds</li> <li>2) Lesson 2 practice and evens</li> <li>3) Lesson 3 practice and odds</li> </ol>	\$1.25 + \$12.50 + \$5 \$20 - \$5.25 \$7.03 X 15 4825 ÷ 6	Basic operations: addition, subtraction, multiplication, division
Week 2	<ol> <li>Lesson 4 practice and odds</li> <li>Lesson 5 practice and evens</li> <li>Lesson 6 practice and odds</li> </ol>	Show how to write this number using digits: one billion, fifty-seven thousand, thirty-three and twenty- eight thousandths	Place value
Week 3	<ol> <li>Lesson 7 practice and odds</li> <li>Lesson 8 practice and evens</li> <li>Lesson 9 practice and odds</li> </ol>	Q - 23 = 46	Missing numbers in +, -, X, ÷
Week 4	<ol> <li>Prime factorization worksheet</li> <li>Lesson 10 practice and Lesson 11 practice and multiples of 3</li> <li>Lesson 12 practice and odds</li> </ol>	23, 28, 31, 35, 47 Which of these numbers are prime and which are composite?	Prime factorization
Week 5	<ol> <li>Area and perimeter worksheet</li> <li>Lesson 13 practice and odds</li> <li>Lesson 14 practice and 15 practice and multiples of 3</li> </ol>	Find the area and perimeter of a square with 3" sides	Area and perimeter of rectangles
Week 6	<ol> <li>Mean, median, mode worksheet</li> <li>Lessons 16 practice and 17 practice and 1-10</li> <li>Lessons 18, 19, 20, 21 practice only</li> </ol>	15, 18, 17, 20, 18 Find the average of these numbers	Mean, median, mode and range
Week 7	<ol> <li>Fraction worksheet</li> <li>Lessons 22 practice and 23 practice and multiples of 3</li> <li>Lessons 24 practice and 25 practice and multiples of 3</li> </ol>	What is a denominator? Numerator? Improper fraction? Mixed number?	Fractions - idea, parts, pictures, equivalent
Week 8	<ol> <li>Fraction worksheet</li> <li>Lesson 26 practice and 27 practice and multiples of 3</li> <li>Lesson 28 practice and 29 practice and multiples of 3</li> </ol>	$\frac{3}{4} + \frac{3}{4}$	Fractions, GCF, LCM, mixed numbers, reduce, simplify
Week 9	<ol> <li>1) Triangle worksheet</li> <li>2) Lesson 30 practice and lesson 31 practice and multiples of 3</li> <li>3) Lesson 32 practice and lesson 33 practice and multiples of 3</li> </ol>	Describe these triangles: right, acute, obtuse, equilateral, scalene, isosceles	Angles, lines, triangles, shapes

Week 10	<ol> <li>1) order of operations worksheet</li> <li>2) Lesson 34 practice and lesson 35 practice and multiples of 3</li> <li>3) Lesson 36 practice and lesson 37 practice and 3X</li> </ol>	$\frac{9+5\times4-5}{9\times3-6\times4}$	Order of operations
Week 11	<ol> <li>Pythagorean worksheet</li> <li>Lesson 38 practice and</li> <li>lesson 39 practice and 3x</li> <li>Lesson 40 practice and</li> <li>lesson 41 practice and 3X</li> </ol>	If the base of a right triangle is 4 and the height is 3, what is the length of the hypotenuse?	Pythagorean theorem
Week 12	<ol> <li>1) Decimals worksheet</li> <li>2) Lesson 42 practice and lesson 43 practice and 3X</li> <li>3) 44 practice and 45 practice and 3X</li> </ol>	Round to the nearest tenth 23.368	Decimals idea, place value, rounding
Week 13	<ol> <li>graph worksheet</li> <li>46 practice and 47 practice and 3X</li> <li>48 practice and 49 practice and 3X</li> </ol>	FAVORITE PIZZA TOPPINGS	Graphs
Week 14	<ol> <li>1) function worksheet</li> <li>2) 50 practice and 51 practice and 3X</li> <li>3) 52 practice and 53 practice and 3X</li> </ol>	In         Out           0         5           3         8           4         ?           6         11           9         14	Functions
Week 15	<ol> <li>1) 54 practice and 55 practice and 3X</li> <li>2) 56 practice and 57 practice and 3X</li> <li>3) 58 practice and 59 practice and 3x</li> </ol>	See if you can fit these in there somewhere	
End of semester 1	Cumulative review and assessment (optional)		

Semester 2			
Week 1	<ol> <li>1) decimal worksheet</li> <li>2) 60 practice &amp; 61 practice and multiples of 3</li> <li>3) 62 practice &amp; 63 practice and multiples of 3</li> </ol>	4.8 ÷ 0.6	Decimals +, -, ×,÷
Week 2	<ol> <li>decimal/fraction/% conversion table worksheet</li> <li>64 practice and 65 practice and 3X</li> <li>66 practice and 67 practice and 3X</li> </ol>	Complete the tableFractionDecimalpercent $\frac{1}{12}$ 0.5	Decimal/fraction/% conversion
Week 3	<ol> <li>68 practice and 69 practice and 1-10</li> <li>70 practice and 71 practice and 11-20</li> <li>72 practice and 73 practice and 21-30</li> </ol>	$\frac{3}{4} \div \frac{2}{3}$	Fractions +, -, ×,÷
Week 4	<ol> <li>1) 74 practice and 75 practice and 1-10</li> <li>2) 76 practice and 77 practice and 11-20</li> <li>3) 78 practice and 79 practice and 21-30</li> </ol>	Draw a triangle on a coordinate plane with vertices at (-3, 1), (0,4) and (3, -1)	Slope and coordinating plane
Week 5	<ol> <li>scientific notation worksheet</li> <li>80 practice &amp; 81 practice</li> <li>and multiples of 3</li> <li>82 practice and 83 practice</li> <li>and multiples of 3</li> </ol>	Write this number in scientific notation 398,000	Scientific notation
Week 6	<ol> <li>1) 84 practice and 85 practice and 1-10</li> <li>2) 86 practice and 87 practice and 11-20</li> <li>3) 88 practice and 89 practice and 21-30</li> </ol>	What number is $\frac{4}{5}$ of 30? That number is what percent of 30?	Percent problems
Week 7	<ol> <li>1) Two step equation worksheet</li> <li>2) 90 practice and 91 practice and 3X</li> <li>3) 92 practice and 93 practice and 3X</li> </ol>	36 = 9Q Solve for Q	Two step equations
Week 8	<ol> <li>measurement worksheet</li> <li>94 practice and 95 practice and multiples of 3</li> <li>96 practice and 97 practice and multiples of 3</li> </ol>	If a pen is 14.5 cm long, how long is it in mm?	Measurement
Week 9	<ol> <li>1) Circle worksheet</li> <li>2) 98, 99 practice and 3X</li> <li>3) 100, 101 practice and 3X</li> </ol>	12 cm	Circles - circumference, area

		Find the area of this circle	
Week 10	<ol> <li>Powers and roots worksheet</li> <li>102, 103 practice and 3X</li> <li>104, 105 practice and 3X</li> </ol>	Simplify $\sqrt{225}$	Powers and roots
Week 11	<ol> <li>Area worksheet</li> <li>106 practice and 107 practice and multiples of 3</li> <li>108 practice and 109 practice and multiples of 3</li> </ol>	Find the area of this figure	Area of multiple shapes
Week 12	<ol> <li>ratio worksheet</li> <li>114 practice and 115 practice and multiples of 3</li> <li>116 practice and 117 practice and multiples of 3</li> </ol>	There are 14 blue marbles and 21 red marbles. What is the ratio of blue to red marbles?	Ratios/ proportions probability/ unit rate problems
Week 13	<ol> <li>Algebraic terms worksheet</li> <li>Algebraic terms worksheet</li> <li>Algebraic terms worksheet</li> </ol>	4YZ + 3YZ (4YZ)(3YZ) 4YZ - 3YZ (4YZ) ÷ (3YZ)	Algebraic terms
Week 14	<ol> <li>1) Signed equation worksheet</li> <li>2) Signed equation worksheet</li> <li>3) Signed equation worksheet</li> </ol>	(-3) + (4) and (-5) + (-2)	Integers/Signed equations
Week 15	Cumulative review		