Math 7 lesson plan

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


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| Week 10 | 1) order of operations worksheet <br> 2) Lesson 34 practice and lesson 35 practice and multiples of 3 <br> 3) Lesson 36 practice and lesson 37 practice and 3 X | $\frac{9+5 \times 4-5}{9 \times 3-6 \times 4}$ |  | Order of operations |
| Week 11 | 1) Pythagorean worksheet <br> 2) Lesson 38 practice and lesson 39 practice and $3 x$ <br> 3) Lesson 40 practice and lesson 41 practice and $3 X$ | 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 | 1) Decimals worksheet <br> 2) Lesson 42 practice and lesson 43 practice and $3 X$ <br> 3) 44 practice and 45 practice and $3 X$ | Round to the nearest tenth$23.368$ |  | Decimals idea, place value, rounding |
| Week 13 | 1) graph worksheet <br> 2) 46 practice and 47 practice and 3 X <br> 3) 48 practice and 49 practice and 3X | This chart shows a survey of students favorite pizza toppings. What fraction of the students chose supreme? |  | Graphs |
| Week 14 | 1) function worksheet <br> 2) 50 practice and 51 practice and 3 X <br> 3) 52 practice and 53 practice and $3 X$ | In | Out | Functions |
|  |  | 0 | 5 |  |
|  |  | 3 | 8 |  |
|  |  | 4 | ? |  |
|  |  | 6 | 11 |  |
|  |  | 9 | 14 |  |
| Week 15 | 1) 54 practice and 55 practice and 3 X <br> 2) 56 practice and 57 practice and 3 X <br> 3) 58 practice and 59 practice and $3 x$ | See if you can fit these in there somewhere |  |  |
| End of semester 1 | Cumulative review and assessment (optional) |  |  |  |



|  |  | Find the area of this circle |  |
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| Week 10 | 1) Powers and roots worksheet <br> 2) 102,103 practice and $3 X$ <br> 3) 104, 105 practice and $3 X$ | Simplify $\sqrt{225}$ | Powers and roots |
| Week 11 | 1) Area worksheet <br> 2) 106 practice and 107 practice and multiples of 3 <br> (3) 108 practice and 109 practice and multiples of 3 | Find the area of this figure | Area of multiple shapes |
| Week 12 | 1) ratio worksheet <br> 2) 114 practice and 115 practice and multiples of 3 <br> 3) 116 practice and 117 practice and multiples of 3 | 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 | 1) Algebraic terms worksheet <br> 2) Algebraic terms worksheet <br> 3) Algebraic terms worksheet | $\begin{aligned} & \hline 4 \mathrm{YZ}+3 \mathrm{YZ} \\ & (4 \mathrm{YZ})(3 Y Z) \\ & 4 \mathrm{YZ}-3 Y Z \\ & (4 Y Z) \div(3 Y Z) \end{aligned}$ | Algebraic terms |
| Week 14 | 1) Signed equation worksheet <br> 2) Signed equation worksheet <br> 3) Signed equation worksheet | $(-3)+(4)$ and $(-5)+(-2)$ | Integers/Signed equations |
| Week 15 | Cumulative review |  |  |

