


Math 7 semester 1 - suggested lesson plan using Saxon Math 76 book

| Semester 1 | Saxon math 76 book | | |
|------------|---|--|---|
| Week | Book assignment | Student mentoring | Assessment(s) |
| Week 1 | 1) Lesson 1 practice and odds 2) Lesson 2 practice and evens 3) Lesson 3 practice and odds | $\$1.25 + \$12.50 + \$5$ $\$20 - \5.25 $\$7.03 \times 15$ $4825 \div 6$ | Basic operations: addition, subtraction, multiplication, division |
| Week 2 | 1) Lesson 4 practice and odds 2) Lesson 5 practice and evens 3) Lesson 6 practice and odds | Show how to write this number using digits: one billion, fifty-seven thousand, thirty-three and twenty- eight thousandths | Place value |
| Week 3 | 1) Lesson 7 practice and odds 2) Lesson 8 practice and evens 3) Lesson 9 practice and odds | $Q - 23 = 46$ | Missing numbers in +, -, X, \div |
| Week 4 | 1) Prime factorization worksheet 2) Lesson 10 practice and Lesson 11 practice and multiples of 3 3) Lesson 12 practice and odds | 23, 28, 31, 35, 47 Which of these numbers are prime and which are composite? | Prime factorization |
| Week 5 | 1) Area and perimeter worksheet 2) Lesson 13 practice and odds 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 2) Lessons 16 practice and 17 practice and 1-10 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 2) Lessons 22 practice and 23 practice and multiples of 3 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 2) Lesson 26 practice and 27 practice and multiples of 3 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 2) Lesson 30 practice and lesson 31 practice and multiples of 3 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 2) Lesson 34 practice and lesson 35 practice and multiples of 3 3) Lesson 36 practice and lesson 37 practice and 3X | $\frac{9 + 5 \times 4 - 5}{9 \times 3 - 6 \times 4}$ | Order of operations | | | | | | | | | | | | |
|---------|--|--|--------------------------------------|-----|---|---|---|---|---|---|---|----|---|----|-----------|
| Week 11 | 1) Pythagorean worksheet 2) Lesson 38 practice and lesson 39 practice and 3x 3) Lesson 40 practice and lesson 41 practice and 3X | 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 2) Lesson 42 practice and lesson 43 practice and 3X 3) 44 practice and 45 practice and 3X | Round to the nearest tenth 23.368 | Decimals idea, place value, rounding | | | | | | | | | | | | |
| Week 13 | 1) graph worksheet 2) 46 practice and 47 practice and 3X 3) 48 practice and 49 practice and 3X | <p>FAVORITE PIZZA TOPPINGS</p> <p>This chart shows a survey of students favorite pizza toppings. What fraction of the students chose supreme?</p> | Graphs | | | | | | | | | | | | |
| Week 14 | 1) function worksheet 2) 50 practice and 51 practice and 3X 3) 52 practice and 53 practice and 3X | <table border="1"> <thead> <tr> <th>In</th> <th>Out</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> </tr> <tr> <td>3</td> <td>8</td> </tr> <tr> <td>4</td> <td>?</td> </tr> <tr> <td>6</td> <td>11</td> </tr> <tr> <td>9</td> <td>14</td> </tr> </tbody> </table> | In | Out | 0 | 5 | 3 | 8 | 4 | ? | 6 | 11 | 9 | 14 | Functions |
| In | Out | | | | | | | | | | | | | | |
| 0 | 5 | | | | | | | | | | | | | | |
| 3 | 8 | | | | | | | | | | | | | | |
| 4 | ? | | | | | | | | | | | | | | |
| 6 | 11 | | | | | | | | | | | | | | |
| 9 | 14 | | | | | | | | | | | | | | |
| Week 15 | 1) 54 practice and 55 practice and 3X 2) 56 practice and 57 practice and 3X 3) 58 practice and 59 practice and 3x | If there's time... | | | | | | | | | | | | | |
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