



Course Description - Saxon Math 7/6

Saxon Math 7/6 (4th edition) introduces functions and coordinate graphing, integers, exponential expressions, and prime factorization. Students will specifically learn about the order of operations, number lines, decimal place value, how to find the percent of a number, how to round decimal numbers, attributes of geometric solids, and more. (120 Lessons plus 12 Investigations)

Table of Contents – Saxon Math 7/6

| Lesson | Title |
|-----------------|--|
| 1 | Adding Whole Numbers and Money/ Subtracting Whole Numbers and Money/ Fact Families, part 1 |
| 2 | Multiplying Whole Numbers/ Dividing Whole Numbers/ Fact Families, part 2 |
| 3 | Missing Numbers in Addition/ Missing Numbers in Subtraction |
| 4 | Missing Numbers in Multiplication/ Missing Numbers in Division |
| 5 | Order of Operations, part 1 |
| 6 | Fractional Parts |
| 7 | Lines, Segments and Rays/ Linear Measure |
| 8 | Perimeter |
| 9 | The Number Line: Ordering and Comparing |
| 10 | Sequences/ Scales |
| Investigation 1 | Frequency Tables. Histograms and Surveys |
| 11 | Problems about Combining/Problems about Separating |
| 12 | Place Value Through Trillions/ Multistep Problems |
| 13 | Problems about comparing/ Elapsed-time problems |
| 14 | The Number Line: Negative Numbers |
| 15 | Problems about Equal Groups |
| 16 | Rounding Whole Numbers/ Estimating |
| 17 | The Number Line: Fractions and Mixed numbers |
| 18 | Average/ Line Graphs |
| 19 | Factors/ Prime numbers |
| 20 | Greatest Common Factor |

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| Investigation 2 | Investigating Fractions with Manipulatives |
| 21 | Divisibility |
| 22 | Equal Groups Stories with Fractions |
| 23 | Ratio |
| 24 | Adding and Subtracting Fractions that have Common Denominators |
| 25 | Writing Division Answers as Mixed Numbers/Multiples |
| 26 | Using Manipulatives to Reduce Fractions/ Adding and Subtracting Mixed Numbers |
| 27 | Measures of a Circle |
| 28 | Angles |
| 29 | Multiplying Fractions/Reducing Fractions by Dividing by Common Factors |
| 30 | Least Common Multiple/Reciprocals |
| Investigation 3 | Measuring and Drawing Angles with a Protractor |
| 31 | Area of Rectangles |
| 32 | Expanded Notation/ More on Elapsed Time |
| 33 | Writing Percents as Fractions, Part 1 |
| 34 | Decimal Place Value |
| 35 | Writing Decimal Numbers as Fractions, part 1/ Reading and Writing Decimal numbers |
| 36 | Subtracting Fractions and Mixed Numbers from Whole Numbers |
| 37 | Adding and Subtracting Decimal Numbers |
| 38 | Adding and Subtracting Decimal Numbers and Whole Numbers/ Squares and Square Roots |
| 39 | Multiplying Decimal Numbers |
| 40 | Using Zero as a Placeholder/ Circle Graphs |
| Investigation 4 | Data Collection and Surveys |
| 41 | Finding a Percent of a Number |
| 42 | Renaming Fractions by Multiplying by 1 |
| 43 | Equivalent Division Problems/ Missing Number Problems with Fractions and Decimals |
| 44 | Simplifying Decimal Numbers/Comparing Decimal Numbers |
| 45 | Dividing a Decimal by a Whole Number |
| 46 | Writing Decimal Numbers in Expanded Notation/ Mentally Multiplying Decimal Numbers by 10 and 100 |
| 47 | Circumference |
| 48 | Subtracting Mixed Numbers with Regrouping |
| 49 | Dividing by a Decimal Number |
| 50 | Decimal Number Line (Tenths)/ Dividing by a fraction |
| Investigation 5 | Displaying Data |
| 51 | Rounding Decimal Numbers |
| 52 | Mentally Dividing Decimal Numbers by 10 and 100 |
| 53 | Decimals Chart/ Simplifying Fractions |
| 54 | Reducing by Grouping Factors Equal to 1/ Dividing Fractions |

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| 55 | Common Denominators, part 1 |
| 56 | Common Denominators. part 2 |
| 57 | Adding and Subtracting Fractions: Three Steps |
| 58 | Probability and Chance |
| 59 | Adding Mixed Numbers |
| 60 | Polygons |
| Investigation 6 | Attributes of Geometric Solids |
| 61 | Adding Three or More Fractions |
| 62 | Writing Mixed Numbers as Fractions |
| 63 | Subtracting Mixed Numbers with Regrouping, part 2 |
| 64 | Classifying Quadrilaterals |
| 65 | Prime Factorization/Division by Primes/Factor Trees |
| 66 | Multiplying Mixed Numbers |
| 67 | Using Prime Factorization to Reduce Fractions |
| 68 | Dividing Mixed Numbers |
| 69 | Lengths of Segments/ Complementary and Supplementary Angles |
| 70 | Reduce Factors before Multiplying |
| Investigation 7 | The Coordinate Plane |
| 71 | Parallelograms |
| 72 | Fractions chart |
| 72 | Multiplying three fractions |
| 73 | Exponents/ Writing Decimal Numbers as Fractions, part 2 |
| 74 | Writing Fractions as Decimal Numbers |
| 75 | Writing Fractions and Decimals as Percents, part 1 |
| 76 | Comparing Fractions by Converting to Decimal form |
| 77 | Finding Unstated Information in Fraction Problems |
| 78 | Capacity |
| 79 | Area of a Triangle |
| 80 | Using Scale Factor to Solve Ratio Problems |
| Investigation 8 | Geometric Construction of Bisectors |
| 81 | Arithmetic with Units of Measure |
| 82 | Volume of a Rectangular Prism |
| 83 | Proportion |
| 84 | Order of Operations, Part 2 |
| 85 | Using Cross Products to Solve Proportions |
| 86 | Area of a Circle |
| 87 | Finding Missing Factors |
| 88 | Using Proportions to Solve Ratio Problems |
| 89 | Estimating Square Roots |
| 90 | Measuring Turns |
| Investigation 9 | Experimental Probability |

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| 91 | Geometric Formulas |
| 92 | Expanded Notation with Exponents, Order of Operations with Exponents, and Powers of Fractions |
| 93 | Classifying Triangles |
| 94 | Writing Fractions and Decimals as Percents, part 2 |
| 95 | Reducing Units before Multiplying |
| 96 | Functions and Graphing Functions |
| 97 | Transversals |
| 98 | Sum of the Angle Measures of Triangles and Quadrilaterals |
| 99 | Fraction, Decimal, Percent Equivalents |
| 100 | Algebraic Addition of Integers |
| Investigation 10 | Compound Experiments |
| 101 | Ratio Problems Involving Totals |
| 102 | Mass & Weight |
| 103 | Perimeter of Complex Shapes |
| 104 | Algebraic Addition Activity |
| 105 | Using Proportions to Solve Percent Problems |
| 106 | Two Step Equations |
| 107 | Area of Complex Shapes |
| 108 | Transformations |
| 109 | Corresponding Parts and Similar Triangles |
| 110 | Lines of Symmetry |
| Investigation 11 | Scale Drawings and Models |
| 111 | Applications Using Division |
| 112 | Multiplying and Dividing Integers |
| 113 | Adding Mixed Measures/ Subtracting Mixed Measures/ Multiplying Powers of 10 |
| 114 | Unit Multipliers |
| 115 | Writing Percents as Fractions, part 2 |
| 116 | Compound Interest |
| 117 | Finding a Whole Number when a Fraction is Known |
| 118 | Estimating area |
| 119 | Finding a Whole Number when a Percent is Known |
| 120 | Volume of a Cylinder |
| Investigation 12 | Platonic Solids |