

Accelerated Math math management software helps every student master every math objective, 1st grade through calculus. This content library provides the Scope and Sequence of instruction for these Saxon Math 8/7 objectives:

Lesson 1 – Arithmetic with Whole Numbers and Money; Variables and Evaluation

- Arithmetic with whole numbers and money
- Variables and evaluation

Lesson 2 – Properties of Operations; Sequences

- Properties of operations
- Sequences

Lesson 3 – Missing Numbers in Addition, Subtraction, Multiplication, and Division

- Missing numbers in addition, subtraction, multiplication, and division

Lesson 4 – Number Line

- Number line

Lesson 5 – Place Value Through Hundred Trillions; Reading and Writing Whole Numbers

- Place value through hundred trillions
- Reading and writing whole numbers

Lesson 6 – Factors; Divisibility

- Factors
- Divisibility

Lesson 7 – Lines and Angles

- Lines and angles

Lesson 8 – Fractions and Percents; Inch Ruler

- Fractions and percents
- Inch ruler

Lesson 9 – Adding, Subtracting, and Multiplying Fractions; Reciprocals

- Add, subtract, and multiply fractions
- Reciprocals

LEGEND

Lesson

- **Objective** (Accelerated Math objective(s) supporting that lesson)

Lesson 10 – Writing Division Answers as Mixed Numbers; Improper Fractions

- Writing division answers as mixed numbers
- Improper fractions

Lesson 11 – Problems About Combining; Problems About Separating

- Problems about combining
- Problems about separating

Lesson 12 – Problems About Comparing; Elapsed-Time Problems

- Problems about comparing
- Elapsed-time problems

Lesson 13 – Problems About Equal Groups

- Problems about equal groups

Lesson 14 – Problems About Parts of a Whole

- Problems about parts of a whole

Lesson 15 – Equivalent Fractions; Reducing Fractions, Part 1

- Equivalent fractions
- Reducing fractions, part 1

Lesson 16 – U.S. Customary System

- U.S. Customary system

Lesson 17 – Measuring Angles with a Protractor

- Measuring angles with a protractor

Lesson 18 – Polygons; Similar and Congruent

- Polygons
- Similar and congruent

Lesson 19 – Perimeter

- Perimeter

**Lesson 20 – Exponents; Rectangular Area, Part 1;
Square Root**

- Exponents
- Rectangular area, part 1
- Square root

**Lesson 21 – Prime and Composite Numbers;
Prime Factorization**

- Prime and composite numbers
- Prime factorization

Lesson 22 – Problems About a Fraction of a Group

- Problems about a fraction of a group

**Lesson 23 – Subtracting Mixed Numbers with
Regrouping**

- Subtracting mixed numbers with regrouping

Lesson 24 – Reducing Fractions, Part 2

- Reducing fractions, part 2

Lesson 25 – Dividing Fractions

- Dividing fractions

Lesson 26 – Multiplying and Dividing Mixed Numbers

- Multiplying and dividing mixed numbers

**Lesson 27 – Multiples; Least Common Multiple;
Equivalent Division Problems**

- Multiples
- Least common multiple
- Equivalent division problems

Lesson 28 – Two-Step Word Problems; Average, Part 1

- Two-step word problems
- Average, part 1

**Lesson 29 – Rounding Whole Numbers; Rounding
Mixed Numbers; Estimating Answers**

- Rounding whole numbers
- Rounding mixed numbers
- Estimating answers

**Lesson 30 – Common Denominators; Adding and
Subtracting Fractions with Different
Denominators**

- Common denominators
- Add and subtract fractions with different denominators

Lesson 31 – Reading and Writing Decimal Numbers

- Reading and writing decimal numbers

Lesson 32 – Metric System

- Metric system

Lesson 33 – Comparing Decimals; Rounding Decimals

- Comparing decimals
- Rounding decimals

Lesson 34 – Decimal Numbers on the Number Line

- Decimal numbers on the number line

**Lesson 35 – Adding, Subtracting, Multiplying, and
Dividing Decimal Numbers**

- Add, subtract, multiply, and divide decimal numbers

Lesson 36 – Ratio; Simple Probability

- Ratio
- Simple probability

**Lesson 37 – Area of a Triangle; Rectangular Area,
Part 2**

- Area of a triangle
- Rectangular area, part 2

Lesson 38 – Interpreting Graphs

- Interpreting graphs

Lesson 39 – Proportions

- Proportions

**Lesson 40 – Sum of the Angle Measures of a Triangle;
Angle Pairs**

- Sum of the angle measures of a triangle
- Angle pairs

Lesson 41 – Using Formulas; Distributive Property

- Using formulas
- Distributive property

Lesson 42 – Repeating Decimals

- Repeating decimals

**Lesson 43 – Converting Decimals to Fractions;
Converting Fractions to Decimals;
Converting Percents to Decimals**

- Converting decimals to fractions
- Converting fractions to decimals
- Converting percents to decimals

Lesson 44 – Division Answers

- Division answers

Lesson 45 – Dividing by a Decimal Number

- Dividing by a decimal number

Lesson 46 – Unit Price; Rates; Sales Tax

- Unit price
- Rates
- Sales tax

Lesson 47 – Powers of 10

- Powers of 10

Lesson 48 – Fraction-Decimal-Percent Equivalents

- Fraction-decimal-percent equivalents

Lesson 49 – Adding Mixed Measures

- Adding mixed measures

Lesson 50 – Unit Multipliers and Unit Conversion

- Unit multipliers and unit conversion

Lesson 51 – Scientific Notation for Large Numbers

- Scientific notation for large numbers

Lesson 52 – Order of Operations

- Order of operations

Lesson 53 – Multiplying Rates

- Multiplying rates

Lesson 54 – Ratio Word Problems

- Ratio word problems

Lesson 55 – Average, Part 2

- Average, part 2

Lesson 56 – Subtracting Mixed Measures

- Subtracting mixed measures

**Lesson 57 – Negative Exponents; Scientific Notation
for Small Numbers**

- Negative exponents
- Scientific notation for small numbers

Lesson 58 – Line Symmetry; Functions, Part 1

- Line symmetry
- Functions, part 1

Lesson 59 – Adding Integers on the Number Line

- Adding integers on the number line

**Lesson 60 – Fractional Part of a Number, Part 1;
Percent of a Number, Part 1**

- Fractional part of a number, part 1
- Percent of a number, part 1

**Lesson 61 – Area of a Parallelogram; Angles of a
Parallelogram**

- Area of a parallelogram
- Angles of a parallelogram

Lesson 62 – Classifying Triangles

- Classifying triangles

Lesson 63 – Symbols of Inclusion

- Symbols of inclusion

Lesson 64 – Adding Signed Numbers

- Adding signed numbers

Lesson 65 – Ratio Problems Involving Totals

- Ratio problems involving totals

Lesson 66 – Circumference and Pi

- Circumference and pi

Lesson 67 – Geometric Solids

- Geometric solids

Lesson 68 – Algebraic Addition

- Algebraic addition

Lesson 69 – More on Scientific Notation

- More on scientific notation

Lesson 70 – Volume

- Volume

Lesson 71 – Finding the Whole Group When a Fraction Is Known

- Finding the whole group when a fraction is known

Lesson 72 – Implied Ratios

- Implied ratios

Lesson 73 – Multiplying and Dividing Signed Numbers

- Multiplying and dividing signed numbers

Lesson 74 – Fractional Part of a Number, Part 2

- Fractional part of a number, part 2

Lesson 75 – Area of a Complex Figure; Area of a Trapezoid

- Area of a complex figure
- Area of a trapezoid

Lesson 76 – Complex Fractions

- Complex fractions

Lesson 77 – Percent of a Number, Part 2

- Percent of a number, part 2

Lesson 78 – Graphing Inequalities

- Graphing inequalities

Lesson 79 – Insufficient Information; Quantitative Comparisons

- Insufficient information
- Quantitative comparisons

Lesson 80 – Transformations

- Transformations

Lesson 81 – Using Proportions to Solve Percent Problems

- Using proportions to solve percent problems

Lesson 82 – Area of a Circle

- Area of a circle

Lesson 83 – Multiplying Powers of 10; Multiplying Numbers in Scientific Notation

- Multiplying powers of 10
- Multiplying numbers in scientific notation

Lesson 84 – Algebraic Terms

- Algebraic terms

Lesson 85 – Order of Operations with Signed Numbers; Functions, Part 2

- Order of operations with signed numbers
- Functions, part 2

Lesson 86 – Number Families

- Number families

Lesson 87 – Multiplying Algebraic Terms

- Multiplying Algebraic terms

Lesson 88 – Multiple Unit Multipliers; Converting Units of Area

- Multiple unit multipliers
- Converting units of area

Lesson 89 – Diagonals; Interior Angles; Exterior Angles

- Diagonals
- Interior angles
- Exterior angles

Lesson 90 – Mixed-Number Coefficients; Negative Coefficients

- Mixed-number coefficients
- Negative coefficients

Lesson 91 – Evaluations with Signed Numbers; Signed Numbers without Parentheses

- Evaluations with signed numbers
- Signed numbers without parentheses

Lesson 92 – Percent of Change

- Percent of change

Lesson 93 – Two-Step Equations and Inequalities

- Two-step equations and inequalities

Lesson 94 – Compound Probability

- Compound probability

Lesson 95 – Volume of a Right Solid

- Volume of a right solid

Lesson 96 – Estimating Angle Measures; Distributive Property with Algebraic Terms

- Estimating angle measures
- Distributive property with algebraic terms

Lesson 97 – Similar Triangles; Indirect Measure

- Similar triangles
- Indirect measure

Lesson 98 – Scale; Scale Factor

- Scale
- Scale factor

Lesson 99 – Pythagorean Theorem

- Pythagorean theorem

Lesson 100 – Estimating Square Roots; Irrational Numbers

- Estimating square roots
- Irrational numbers

Lesson 101 – Translating Expressions into Equations

- Translating expressions into equations

Lesson 102 – Transversals; Simplifying Expressions

- Transversals
- Simplifying expressions

Lesson 103 – Powers of Negative Numbers; Dividing Terms

- Powers of negative numbers
- Dividing terms

Lesson 104 – Semicircles, Arcs, and Sectors

- Semicircles, arcs, and sectors

Lesson 105 – Surface Area of a Right Solid; Surface Area of a Sphere; More on Roots

- Surface area of a right solid
- Surface area of a sphere
- More on roots

Lesson 106 – Solving Literal Equations; Transforming Formulas

- Solving literal equations
- Transforming formulas

Lesson 107 – Slope

- Slope

Lesson 108 – Formulas and Substitution

- Formulas and substitution

Lesson 109 – Equations with Exponents

- Equations with exponents

Lesson 110 – Simple Interest and Compound Interest; Successive Discounts

- Simple interest and compound interest
- Successive discounts

Lesson 111 – Dividing in Scientific Notation

- Dividing in scientific notation

Lesson 112 – Applications of the Pythagorean Theorem

- Applications of the Pythagorean theorem

Lesson 113 – Volume of Pyramids, Cones, and Spheres

- Volume of pyramids, cones, and spheres

Lesson 114 – Graphing Linear Inequalities

- Graphing linear inequalities

Lesson 115 – Volume, Capacity, and Mass in the Metric System

- Volume, capacity, and mass in the metric system

Lesson 116 – Factoring Algebraic Expressions

- Factoring algebraic expressions

Lesson 117 – Slope-Intercept Form of Linear Equations

- Slope-intercept form of linear equations

Lesson 118 – Copying Angles and Triangles

- Copying angles and triangles

Lesson 119 – Division by Zero

- Division by zero

Lesson 120 – Graphing Nonlinear Equations

- Graphing nonlinear equations

Lesson 201 – Investigation 1 – Investigating Fractions and Percents with Manipulatives

- Investigate fractions and percents with manipulatives

Lesson 202 – Investigation 2 – Using Compass and Straightedge, Part 1

- Using a compass and straightedge, part 1

Lesson 203 – Investigation 3 – Coordinate Plane

- Coordinate plane

Lesson 204 – Investigation 4 – Stem-and-Leaf Plots; Box-and Whisker-Plots

- Stem-and-leaf plots
- Box-and-whisker plots

Lesson 205 – Investigation 5 – Creating Graphs

- Creating graphs

Lesson 206 – Investigation 6 – Classifying Quadrilaterals

- Classifying quadrilaterals

Lesson 207 – Investigation 7 – Balanced Equations

- Balanced equations

Lesson 208 – Investigation 8 – Using a Compass and Straightedge, Part 2

- Using a compass and straightedge, part 2

Lesson 209 – Investigation 9 – Graphing Functions

- Graphing functions

Lesson 210 – Investigation 10 – Probability, Chance, and Odds

- Probability, chance, and odds

Lesson 211 – Investigation 11 – Scale Factor in Surface Area and Volume

- Scale factor in surface area and volume

Lesson 212 – Investigation 12 – Proof of the Pythagorean Theorem

- Proof of the Pythagorean theorem

Lesson 213 – Appendix Topic A – Base 2; Roman Numerals

- Base 2
- Roman numerals

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