

Saxon Math 3

Class Description:

Saxon mathematics is based on the principle of developing math skills incrementally and reviewing past skills daily. It also incorporates regular and cumulative assessments.

3rd grade Saxon uses simulations and games to help students understand and practice new concepts with content integrated from other core subjects such as social studies. Students learn skip-counting, comparing and ordering numbers, identify ordinal positions, identify and complete patterns, add/subtract multi-digit numbers, basic division, add positive and negative numbers, fraction concepts, understand and calculate measurements, compare and measure mass, identify function rules, graphing concepts, and concepts of geometry.

Learning Materials: Main Curriculum:

Saxon - Math K-3 Manipulatives Kit

Saxon Math 3: An Incremental Development, Home Study Meeting Book

Saxon Math 3: Home Study Teachers Edition

Saxon Math Grade 3 Student Workbook/Fact Cards

Learning Goals/Performance Objectives: 3.1.A Read, write, compare, order, and represent numbers to 10,000 using numbers, words, and symbols.

3.1.C Fluently and accurately add and subtract whole numbers using the standard regrouping algorithms.

3.1.E Solve single- and multi-step word problems involving addition and subtraction of whole numbers and verify the solutions.

3.2.D Apply and explain strategies to compute multiplication facts to 10×10 and the related division facts.

3.3.B Compare and order fractions that have denominators of 2, 3, 4, 5, 6, 8, 9, 10, and 12.

3.4.B Identify and sketch right angles.

3.4.C Identify and describe special types of quadrilaterals.

3.5.E Construct and analyze pictographs, frequency tables, line plots, and bar graphs.

Learning Activities: The student will complete approximately 15-16 lessons each month. Every 10th lesson is an assessment. The student will learn a new aspect of a skill in each lesson and then the rest of the lesson will review previous lessons so that the concepts become solid. The student will also do timed tests and any worksheets/activities that go with the lessons.

Saxon Math 3 Table of Contents

Lesson 1 - telling time to the hour

Lesson 2- graphing data on a bar graph

Lesson 3 – reading a graph, addition facts – doubles to 18

Lesson 4 – telling time to the half hour, addition facts adding one and adding zero
Lesson 5- using a ruler to measure to the nearest inch
Lesson 6- identifying and measuring the length and width of a rectangle
Lesson 7 – ordering numbers to 100
Lesson 8 – addition facts adding two
lesson 9 – identifying even and odd numbers, identifying and acting out some, some more stories
lesson 10 – identifying the relative worth of pattern blocks
lesson 11 – dividing squares into two and four equal parts
lesson 12 – counting dimes and nickels to \$1.00
lesson 13 0 addition facts doubles plus one
lesson 14 – identifying and acting out some, some went away stories
lesson 15 – adding ten to a two-digit number
lesson 16 – drawing pictures and writing number sentences for some, some more and some, some went away stories
lesson 17 – dividing squares into two, four, and eight equal parts, shading halves, fourths and eighths
lesson 18 – addition facts – sum of ten
lesson 19 – reading a thermometer to the nearest ten degrees, rounding numbers to the nearest ten, drawing congruent lines segments
lesson 20 – making a pattern block design with a given value
lesson 21 – rounding numbers to the nearest ten, subtraction facts – subtracting one
lesson 22 – dividing a square into three equal parts, identifying and shading thirds, identify common geometric shapes
lesson 23 – rewriting numbers by regrouping tens and ones, trading dimes and pennies
lesson 24 – identifying the meaning of the multiplication sign, counting by 7's
lesson 25 – subtracting ten from a two digit numbers
lesson 26 – identifying a dozen and a half dozen, writing fractions using the fraction bar
lesson 27 – counting dimes, nickels, and pennies, addition facts adding nine
lesson 28 – writing money amounts using the cent and dollar signs
lesson 29 – reading and shading a thermometer to the nearest two degrees
lesson 30 – identifying addition fact patterns
lesson 31 – addition facts – the last eight facts, multiplying by ten
lesson 32 – constructing a number line
lesson 33 – writing fraction number sentences that equal one
lesson 34 – using a ruler to measure to the nearest centimeter, adding multiples of ten
lesson 35 – drawing congruent lines
lesson 36 – adding multiples of ten to a number
lesson 37 – writing number sentences for some, some more and some went away stories
lesson 38 – finding half of a set of objects, subtracting half of a double

lesson 39 – counting quarters, subtraction facts – subtracting zero and differences of zero
lesson 40 – tallying, collecting data
lesson 41 – identifying a.m. and p.m. identifying missing digits
lesson 42 – reading a thermometer to the nearest degree, identifying the freezing and boiling points of water on F scale, identifying normal body temperature on the F scale, subtraction facts – differences of one
lesson 43 – identifying horizontal, vertical and oblique line segments
lesson 44 – adding multiples of 100
lesson 45 – adding three or more single digit numbers
lesson 46- multiplying by seven, naming and drawing line segments
lesson 47 – identifying and solving equal groups stories
lesson 48 – multiplying by one, writing division problems three ways, dividing by one and ten
lesson 49 – finding perimeter
lesson 50 – making shapes with a given area
lesson 51 – graphing using a scale of ten
lesson 52 – estimating the volume of containers, ordering containers by volume, identifying one cup liquid measure
lesson 53 – identifying cup, pint, quart, half gallon, gallon, and liter containers
lesson 54- telling and showing time to five-minute intervals
lesson 55 – measuring and drawing line segments to the nearest half inch
lesson 56 – reading numbers to 999
lesson 57 – creating a pictograph
lesson 58 – using comparison symbols $<$ $>$ $=$
lesson 59- multiplying by two
lesson 60 – locating information on a map
lesson 61 – writing fractions
lesson 62 – identifying hundreds, tens and ones
lesson 63 – measuring with cups, tablespoons, and teaspoons reading a recipe
lesson 64 – subtracting multiples of 10 and 100, comparing and ordering three digit numbers
lesson 65 – identifying the missing addend in a some, some more story
lesson 66 – following a recipe and measuring
lesson 67 – squaring numbers, identifying perfect squares
lesson 68 – showing fractional amounts greater than one, writing the sizes of the pattern block pieces using fractions
lesson 69 – adding two-digit numbers using mental computation
lesson 70 – reading a chart, rounding numbers to the nearest ten, creating a bar graph
lesson 71 – writing three-digit numbers using digits
lesson 72 – identifying ordinal position to twentieth, multiplying by five
lesson 73 – writing numbers to 100 using words
lesson 74 – measuring to the nearest millimeter

lesson 75 – multiplying by four
lesson 76 – drawing a line graph
lesson 77 – reading and writing money amounts for \$100.00, writing checks
lesson 78 – writing the date using digits, subtracting nine from a number
lesson 79 – finding square roots of perfect squares
lesson 80 – making reasonable predictions by collecting and analyzing data
lesson 81 – adding two and three digit numbers
lesson 82 – writing numbers to 999 using words, subtraction facts – differences of nine
lesson 83 – identifying the number of days in each month, identifying the number of days in a year
lesson 84 – selecting coins for a given amount
lesson 85 – multiplying by eight
lesson 86 – adding money amounts (decimals)
lesson 87 – subtraction facts – the last sixteen facts
lesson 88 – reading the temperature on a Celsius scale
lesson 89 – finding a fractional part of a set, determining age
Lesson 90 – identifying compass directions on a map
Lesson 91 – addition with three addends
Lesson 92: measuring and drawing line segments to the nearest quarter inch
Lesson 93: telling time to the minute
Lesson 94: subtracting two-digit numbers
Lesson 95: multiplying by three and six
Lesson 96: estimating and measuring distance using feet, estimating and measuring distance using yards
Lesson 97: subtracting two and three digit numbers
Lesson 98: subtracting two and three digit numbers
Lesson 99: writing three digit numbers in expanded form
Lesson 100: recording growth on a line graph
Lesson 101: reading and writing numbers to 99,999, multiplying numbers by 1,000
Lesson 102: adding money amounts to \$99,999.99, writing checks for money amounts of \$99,999.99
Lesson 103: telling time to the quarter hour
Lesson 104: subtracting across zeros
Lesson 105: multiplying by nine
Lesson 106: finding the missing addend for sums of 100
Lesson 107: making change from \$1.00
Lesson 108: finding the area of a rectangle
Lesson 109: identifying and solving larger, smaller, difference problems
Lesson 110: identifying multiplication fact patterns on the hundred chart
Lesson 111: multiplying a multiple of 10, 100, or 1,000 by a single digit number

Lesson 112: locating negative numbers on a number line
Lesson 113: multiplying a single digit number times a multi-digit number, using expanded form of a number
Lesson 114: finding a missing dimension of a rectangle
Lesson 115: acting out division stories
Lesson 116: dividing by two, five and seven.
Lesson 117: showing addition, subtraction and multiplication on a number line
Lesson 118: identifying parallel lines and line segments
Lesson 119: identifying a function rule
Lesson 120: identifying the factors of a number, identifying prime numbers less than 20
Lesson 121: multiplying using the multiplication algorithm
Lesson 122: dividing by four and eight
Lesson 123: identifying perpendicular lines and line segments
Lesson 124: determining the appropriate unit of weight (ounces, pounds, tons), estimating weight
Lesson 125: dividing by 3,6,9
Lesson 126: division with remainders
Lesson 127: identifying right, acute, and obtuse angles
Lesson 128: adding and subtracting fractions with common denominators
Lesson 129: dividing a two digit number by a one digit number with a quotient greater than 10
Lesson 130: using a scale to find distance on a map
Lesson 131: reading the time as minutes before the hours
Lesson 132: simplifying expressions with exponents multiplying three or more factors
Lesson 133: identifying lines of symmetry
Lesson 134: dividing a three digit number by a one digit number
Lesson 135: simplifying expressions with addition, subtraction, multiplication and division
Lesson 136: adding positive and negative numbers
Lesson 137: ordering unit fractions
Lesson 138: simplifying an expression containing parenthesis
Lesson 139: creating a coordinate plane, identifying the location of a point on a coordinate plane
Lesson 140: graphing points on a coordinate plane

Progress Criteria/Methods of Evaluation: For successful completion of this course, the student will complete at least 70% of the lessons/goals, at a minimum of 70% accuracy.

September Complete Lessons 1 – 16

October Complete Lessons 17 – 32

November Complete Lessons 33 – 48

December Complete Lessons 49 – 64

January Complete Lessons 65 – 80

February Complete Lessons 81 – 96

March Complete Lessons 97 – 112

April Complete Lessons 113 – 128

May Complete Lessons 129 – 140

June Review