

Saxon Math 2, Second Edition

Scope & Sequence

NUMBER STRAND

Number Sense and Numeration

Concepts of Whole Number Operations

Counts by 2's, 3's, 4's, 5's, 10's, 25's, and 100's

Reads and writes numbers to 1,000

Compares numbers to 1,000

Orders 2- and 3-digit numbers

Identifies place value in numbers to 1,000

Represents 2- and 3-digit numbers using concrete materials and pictures

Estimates and counts large collections

Writes numbers in expanded form

Acts out, draws pictures of, and writes number sentences to show addition and subtraction

Identifies addends and sums

Writes addition and subtraction fact families

Acts out, draws pictures of, and writes number sentences to show multiplication

Identifies and uses the commutative and associative properties

Makes, labels, and writes number sentences for an array

Acts out, draws pictures of, and writes number sentences to show division

Identifies the properties of 0 and 1 in multiplication

Rounds numbers to the nearest ten

Renames numbers using regrouping

Identifies ordinal position

Identifies even and odd numbers

Identifies dozen and half dozen

Identifies pairs

Identifies multiples

Addition

Identifies one more than a number

Identifies ten more than a number

Estimates a sum

Adds using mental computation

Adds three or more single-digit numbers

Subtraction

- Solves problems involving addition
- Masters subtraction facts to 18
- Identifies one less than a number
- Identifies ten less than a number
- Subtracts using mental computation
- Adds 3-digit numbers and money amounts (decimals) 109
- Subtracts 2-digit numbers
- Subtracts 3-digit numbers and money amounts (decimals)
- Uses estimation to check the reasonableness of calculated results
- Adds 2-digit numbers
- Checks subtraction answers using addition
- Solves problems involving subtraction

Multiplication

- Masters multiplication facts (0, 1, 2, 3, 4, 5)
- Multiplies by 10 and 100
- Doubles a number
- Solves problems involving multiplication
- Identifies missing addends 8
- Masters addition facts to 18

Division

- Divides by 2
- Solves problems involving division

Fractions and Decimals

- Names and compares unit fractions
- Writes a fraction to show a part of a whole
- Identifies fractional parts of a whole
- Identifies a fractional part of a set
- Writes a fraction to show a part of a set
- Identifies equivalent fractions using concrete objects
- Finds half of a set of objects
- Represents and writes mixed numbers

Money

- Counts money
- Writes money amounts using ¢ and \$
- Selects coins for a given amount
- Makes change from \$1.00

GEOMETRY AND MEASUREMENT STRAND

Geometry and Spatial Relationships

- Identifies, describes, and classifies polygons
- Identifies and creates congruent shapes
- Identifies and creates similar shapes
- Solves spatial problems
- Identifies and sorts common geometric shapes by attribute
- Identifies horizontal, vertical, and oblique line segments
- Identifies and draws a line of symmetry
- Identifies parallel lines and line segments
- Identifies intersecting lines
- Identifies perpendicular lines and line segments
- Identifies right angles
- Identifies and shows transformations: translations, rotations, and reflections
- Identifies, describes, and classifies 3-dimensional geometric objects

Time and Calendar

Temperature

Linear Measure

- Tells and shows time to the hour, half hour, quarter hour, 5 minutes, and minute
- Finds elapsed time
- Identifies a.m. and p.m.; noon and midnight
- Writes the date using digits
- Identifies equivalent units of time
- Identifies weekdays and days of the weekend
- Solves problems using a calendar
- Reads a Fahrenheit thermometer
- Identifies common temperatures
- Estimates length
- Measures length using nonstandard units

Measurement

- Measures length using customary units (nearest inch, half inch, and foot)
- Measures length using metric units (nearest centimeter)
- Draws line segments using customary units (nearest inch and half inch)
- Draws line segments using metric units (nearest centimeter)

Weight (Mass)

Capacity (Volume)

- Identifies units of mass: customary or metric
- Estimates mass
- Weighs objects using nonstandard units
- Weighs objects using customary or metric units
- Estimates capacity
- Orders containers by capacity
- Measures capacity using standard units
- Follows a recipe and measures

Perimeter, Area, and Volume

- Compares and orders objects by size (area)
- Finds area using nonstandard units
- Estimates area
- Finds perimeter of a polygon
- Finds area of rectangle

DATA ANALYSIS, STATISTICS, AND PROBABILITY STRAND

Data Analysis and Statistics

Probability

- Graphs data on a bar graph
- Draws and reads a bar graph
- Draws and reads a bar graph with a scale of 2
- Tallies
- Creates and reads a Venn diagram
- Writes observations about a graph
- Conducts a survey
- Describes the likelihood of an event
- Draws and reads a pictograph
- Predicts the outcome of a probability experiment
- Conducts a probability experiment

PATTERNS, ALGEBRA, AND FUNCTIONS STRAND

Algebra and Functions

- Identifies the missing shape or design in a repeating pattern

Identifies the missing number in a sequence

Locates points on a number line

Uses comparison symbols ($>$, $<$, and $=$)

Locates and graphs points on a coordinate graph