

# SUNRISE MATHEMATICS 500

<p><b>501</b></p> <p>Reviews and tests these skills and concepts:</p> <ul style="list-style-type: none"> <li>Integers and Expressions</li> <li>Measures</li> <li>Data</li> <li>Decimals and subtraction</li> <li>Factors and digit sums</li> <li>Division</li> <li>Fractions</li> <li>Geometry</li> <li>Mental math</li> <li>Multiplication</li> <li>Rounding and estimation</li> <li>Numbers and ratios</li> </ul>	<p><b>502</b></p> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>Simplest form for fractions and mixed numbers</li> <li>Rounding decimals to the nearest whole number</li> <li>Tenths, hundredths, and thousandths</li> <li>Decimals and place value</li> <li>Hidden questions in story problems</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>Reading decimals</li> <li>Using digit sums to check addition</li> <li>Writing decimals</li> <li>Three-digit quotients</li> <li>Divisibility</li> <li>Using digit sums to check subtraction</li> <li>Hidden facts in story problems</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>Finding the area of a rectangle by formula</li> <li>Place value through trillions</li> <li>Reading numbers through trillions</li> <li>Graph scales</li> <li>Finding the area of a square by formula</li> <li>Finding the average</li> <li>Writing numbers through trillions</li> <li>Choosing sensible measures: distance</li> </ul>	<p><b>503</b></p> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>Division with 0 in the quotient</li> <li>Subtracting a mixed number from a whole number</li> <li>Using common denominators to add or subtract</li> <li>Order of simplifying expressions</li> <li>Squares and square roots to 12</li> <li>Finding the area of a triangle by formula</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>Dividing by multiples of ten</li> <li>Combining like integers</li> <li>The meaning of pi</li> <li>Comparing decimals with differing place values</li> <li>Adding, subtracting, multiplying, and dividing decimals</li> <li>Combining opposite integers</li> <li>Multiplying by moving decimal points</li> </ul> <p><b>Section 3</b></p> <ul style="list-style-type: none"> <li>Combining unlike integers</li> <li>Finding the lowest common denominator</li> <li>Borrowing to subtract fractions</li> <li>Finding the circumference by formula</li> <li>Dividing by moving decimal points</li> <li>Finding perimeters</li> <li>Choosing sensible measurement units: weight</li> </ul>	<p><b>504</b></p> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>Changing fractions to common denominators</li> <li>Using digit sums to check multiplication</li> <li>Using a protractor</li> <li>Naming the vertex and angles</li> <li>Dividing money</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>Dividing by any two-digit number</li> <li>Squares to 15</li> <li>Finding the LCD before adding and subtracting fractions</li> <li>One-half, five-tenths, and fifty hundredths</li> </ul> <p><b>Section 3</b></p> <ul style="list-style-type: none"> <li>Drawing angles</li> <li>Congruent angles</li> <li>Rounding to any place</li> <li>Ordering decimals</li> <li>Removing zeros in decimals</li> <li>Choosing sensible measurement units: capacity</li> </ul>	<p><b>505</b></p> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>Equations must balance</li> <li>Multiplying fractions</li> <li>Annexing zeros to add and subtract decimals</li> <li>Expanding with multiples of ten</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>Canceling before multiplying fractions</li> <li>Revising two-digit divisor estimates</li> <li>Placing decimal points in multiplication</li> <li>Three ways to write ratios</li> </ul> <p><b>Section 3</b></p> <ul style="list-style-type: none"> <li>Understanding quadrilaterals</li> <li>Borrowing to subtract mixed numbers with LCD</li> <li>Annexing zeros in decimal products</li> <li>Divisibility rule for 6</li> <li>More about lines, line segments, and rays</li> <li>Changing whole numbers to fractions</li> </ul>
<p><b>506</b></p> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>Solving equations</li> <li>Understanding parallelograms</li> <li>Checking equations</li> <li>Decimals for common fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{3}{4}</math></li> <li>Using digit sums to check division</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>Equivalent ratios: enlarging</li> <li>Multiples of 7 and 8 to 100</li> <li>Multiplying fractions, mixed numbers, and whole numbers</li> <li>Equivalent ratios: simplest form</li> </ul> <p><b>Section 3</b></p> <ul style="list-style-type: none"> <li>Rounding decimals</li> <li>Proportions: Finding the missing term</li> <li>Understanding percent</li> <li>Writing fractions as percents</li> <li>Multiplying fractions in story problems</li> </ul>	<p><b>507</b></p> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>Using cross products to solve and check proportions</li> <li>Prime and composite numbers</li> <li>Understanding rhombuses</li> <li>Degrees in circles</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>Reciprocals</li> <li>Metric prefixes</li> <li>Finding the fraction of a number mentally</li> <li>Metric prefix chart</li> <li>Metric abbreviations</li> </ul> <p><b>Section 3</b></p> <ul style="list-style-type: none"> <li>Setting up proportions</li> <li>Dividing fractions</li> <li>Zero placeholders in decimal quotients</li> <li>Changing fractions to percents</li> <li>Converting metric units</li> </ul>	<p><b>508</b></p> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>Rounding mixed decimals</li> <li>Adding and subtracting time</li> <li>Annexing decimal places to complete division</li> <li>Multiplying mentally; two digits by one digit</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>Short division</li> <li>Understanding trapezoids</li> <li>Story problems with remainders</li> <li>Relating common fractions with decimals on a number line</li> </ul> <p><b>Section 3</b></p> <ul style="list-style-type: none"> <li>Dividing fractions in story problems</li> <li>How much time has passed?</li> <li>Using proportions to convert U.S. measures</li> <li>Understanding calculators</li> <li>Decimals, fractions, and money</li> </ul>	<p><b>509</b></p> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>Order of operations on a calculator</li> <li>Variables on the right side of the equation</li> <li>Time passing over 12:00</li> <li>Symbols and elements of a set</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>The decimal key on a calculator</li> <li>Symbols for feet and inches; adding feet and inches</li> <li>Ordered pairs and points on a grid</li> <li>Identity property</li> </ul> <p><b>Section 3</b></p> <ul style="list-style-type: none"> <li>Subtracting feet and inches</li> <li>Union of sets</li> <li>Zero property of multiplication</li> <li>Multiplying feet and inches</li> <li>Commutative property</li> </ul>	<p><b>510</b></p> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>Find the better price</li> <li>Classifying triangles by sides</li> <li>Right triangles</li> <li>Changing to common measurement units in story problems</li> <li>Eyeball estimating</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>Comparing fractions by comparing decimal equivalents</li> <li>Intersection of sets</li> <li>Roman numerals through 2000</li> <li>Rounding decimals to estimate</li> </ul> <p><b>Section 3</b></p> <ul style="list-style-type: none"> <li>Multiplication shortcuts</li> <li>Biological symmetry</li> <li>Precision in measurement</li> <li>Is the answer more or less than the estimate?</li> <li>Recognizing incorrect results on the calculator</li> </ul>