

**Mathematics**  
**“Year-at-a-Glance”**  
**Grade 4**

Units of Study	PA Core Standards for Mathematics
<p><b>Unit: Operations and Algebraic Thinking</b></p> <ul style="list-style-type: none"> <li>• Relationships</li> <li>• Patterns</li> <li>• Geometric Patterns</li> <li>• Function Tables and Rules</li> <li>• Factors and Multiples</li> <li>• Prime and Composite</li> <li>• Multistep Problems</li> <li>• Problem Solving Throughout Unit</li> </ul>	<p>M04.B-0.1.1.1  M04.B-0.1.1.2  M04.B-0.1.1.3  M04.B-0.1.1.4  M04.B-0.2.1.1  M04.B-0.3.1.1  M04.B-0.3.1.2  M04.B-0.3.1.3  MA.4.0A.C.5</p>
<p><b>Unit: Numbers and Operations in Base 10</b></p> <ul style="list-style-type: none"> <li>• Place Value Relationships</li> <li>• Comparing &amp; Ordering</li> <li>• Rounding</li> <li>• Addition and Subtraction</li> <li>• Multiplication Strategies by 1-Digit Numbers</li> <li>• Multiplication Strategies by 2-Digit Numbers</li> <li>• Dividing by 1-Digit Divisors</li> <li>• Multi-Step Problems</li> <li>• Problem Solving Throughout Unit</li> </ul>	<p>M04.A-T.1.1.1  M04.A-T.1.1.2  M04.A-T.1.1.3  M04.A-T.1.1.4  M04.A-T.2.1.1  M04.A-T.2.1.2  M04.A-T.2.1.3  M04.A-T.2.1.4  M04.A-F.1.1.2</p>
<p><b>Unit: Numbers and Operations</b></p> <ul style="list-style-type: none"> <li>• Comparing and Ordering Decimals</li> <li>• Ordering and Comparing Fractions</li> <li>• Adding and Subtracting Fractions with Unlike Denominators</li> <li>• Multiplication of Fractions</li> <li>• Reading Decimals as Fractions</li> <li>• Equivalent Fractions</li> <li>• Add/Sub with Like Denominators</li> <li>• Add/Sub Mixed Numbers</li> <li>• Decomposing Fractions</li> <li>• Multiplying a Fraction by a Whole Number</li> <li>• Decimals and Equivalent Fractions</li> <li>• Comparing and Ordering Decimals</li> <li>• Problem Solving Throughout Unit</li> </ul>	<p>M04.A-F.1.1.1  M04.A-F.1.1.2  M04.A-F.2.1.1  M04.A-F.2.1.2  M04.A-F.2.1.3  M04.A-F.2.1.4  M04.A-F.2.1.5  M04.A-F.2.1.6  M04.A-F.2.1.7  M04.A-F.3.1.1  M04.A-F.3.1.2  M04.A-F.3.1.3</p>

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Units of Study	PA Core Standards for Mathematics
<p><b>Unit: Measurement and Data</b></p> <ul style="list-style-type: none"> <li>• Customary Units of Length</li> <li>• Customary Units of Capacity</li> <li>• Customary Units of Weight</li> <li>• Changing Customary Units</li> <li>• Metric Units of Length</li> <li>• Metric Units of Capacity</li> <li>• Metric Units of Mass</li> <li>• Changing Metric Units</li> <li>• Units of Time</li> <li>• Area and Perimeter</li> <li>• Representing and Interpreting Data (Line Plots)</li> <li>• Problem Solving Throughout Unit</li> </ul>	<p>M04.D-M.1.1.1  M04.D-M.1.1.2  M04.D-M.1.1.3  M04.D-M.1.1.4  M04.D-M.2.1.1  M04.D-M.2.1.2  M04.D-M.2.1.3  M04.D-M.3.1.1  M04.D-M.3.1.2  MA.4.MD.A.1  MA.4.MD.A.2  MA.4.MD.A.3  MA.4.MD.B.4</p>
<p><b>Unit: Geometry</b></p> <ul style="list-style-type: none"> <li>• Points, Lines, and Planes</li> <li>• Lines and Angles</li> <li>• Angle Measurements</li> <li>• Triangles</li> <li>• Polygons</li> <li>• Symmetry</li> <li>• Problem Solving Throughout Unit</li> </ul>	<p>M04.C-G.1.1.1  M04.C-G.1.1.2  M04.C-G.1.1.3</p>