

**Mathematics**  
**“Year-at-a-Glance”**  
**Grade 5**

Units of Study	PA Core Standards for Mathematics
<p><b>Unit: Operations and Algebraic Thinking</b></p> <ul style="list-style-type: none"> <li>• Write and interpret numerical expressions</li> <li>• Analyze patterns and relationships</li> </ul>	M05.B-0.1.1 M05.B-0.2.1 MA.5.OA.A.1 MA.5.OA.A.2 MA.5.OA.B.3 M0A.B-0.1.1.1 MA.5.OA.A.1 M05.B-0.1.1.2 MA.5.OA.A.2 M05.B-0.2.1.1 M05.B-0.2.1.2
<p><b>Unit: Geometry</b></p> <ul style="list-style-type: none"> <li>• Graph Points on the Coordinate Plane to Solve Real-World and Mathematical Problems</li> <li>• Classify two-dimensional figures into categories based on their properties</li> </ul>	M05.C-G.1.1 M05.C-G.2.1 M05.C-G.1.1.1 M05.C-G.1.1.2 M05.C-G.2.1.1 MA.5.G.A.1 MA.5.G.A.2 MA.5.G.B.3 MA.5.G.B.4
<p><b>Unit: Numbers and Operations - Fractions</b></p> <ul style="list-style-type: none"> <li>• Use equivalent fractions as a strategy to add and subtract fractions</li> <li>• Use equivalent fractions as a strategy to add and subtract fractions</li> <li>• Apply and extend previous understandings of multiplication and division to multiply and divide fractions.</li> </ul>	M05.A-F.1.1 M05.A-F.2.1 MA.5.NF.A.1 MA.5.NF.A.2 MA.5.NF.B.3 MA.5.NF.B.4 MA.5.NF.B.4.A MA.5.NF.B.4.B MA.5.NF.B.5 MA.5.NF.B.5.A MA.5.NF.B.5.B MA.5.NF.B.6 MA.5.NF.B.7 MA.5.NF.B.7.A MA.5.NF.B.7.B MA.5.NF.B.7.C

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<p><b>Unit: Number and Operations in Base Ten</b></p> <ul style="list-style-type: none"> <li>• Understand the place value system</li> <li>• Perform operations with multi-digit whole numbers and with decimals to hundredths</li> </ul>	<p>MA.5.NBT.A.1  MA.5.NBT.A.2  MA.5.NBT.A.3  MA.5.NBT.A.3.A  MA.5.NBT.A.3.B  MA.5.NBT.A.4  MA.5.NBT.B.5  MA.5.NBT.B.6  MA.5.NBT.B.7  M05.A-T.1.1.1  M05.A-T.1.1.2  M05.A-T.1.1.3  M05.A-T.1.1.4  M05.A-T.1.1.5  M05.A-T.2.1.1  M05.A-T.2.1.2  M05.A-T.2.1.3</p>
<p><b>Unit: Measurement and Data</b></p> <ul style="list-style-type: none"> <li>• Convert like measurement units within a given measurement system</li> <li>• Represent and Interpret Data</li> <li>• Geometric Measurement: Understand concepts of volume to multiplication and addition</li> </ul>	<p>M.05.D-M.1.1  M.05.D-M.2.1  M.05.D-M.3.1  M05.D-M.1.1.1  M05.D-M.2.1.1  M05.D-M.2.1.2  M05.D-M.3.1.1  M05.D-M.3.1.2  MA.5.MD.A.1  MA.5.MD.B.2  MA.5.MD.C.3  MA.5.MD.C.3.A  MA.5.MD.C.3.B  MA.5.MD.C.4  MA.5.MD.C.5  MA.5.MD.C.5.A  MA.5.MD.C.5.B  MA.5.MD.C.5.C</p>