

## Grade 4

Major	Supporting	Additional
<p><b>Operations and Algebraic Thinking</b></p> <ul style="list-style-type: none"> <li>■ Use the four operations with whole numbers to solve problems.</li> </ul> <p><b>Number and Operations in Base Ten</b></p> <ul style="list-style-type: none"> <li>■ Generalize place value understanding for multi-digit whole numbers.</li> <li>■ Use place value understanding and properties of operations to perform multi-digit arithmetic.</li> </ul> <p><b>Number and Operations – Fractions</b></p> <ul style="list-style-type: none"> <li>■ Extend understanding of fraction equivalence and ordering.</li> <li>■ Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.</li> <li>■ Understand decimal notation for fractions, and compare decimal fractions.</li> </ul>	<p><b>Operations and Algebraic Thinking</b></p> <ul style="list-style-type: none"> <li>□ Gain familiarity with factors and multiples.<sup>3</sup></li> </ul> <p><b>Measurement and Data</b></p> <ul style="list-style-type: none"> <li>□ Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.</li> <li>□ Represent and interpret data.<sup>4</sup></li> </ul>	<p><b>Operations and Algebraic Thinking</b></p> <ul style="list-style-type: none"> <li>○ Generate and analyze patterns.</li> </ul> <p><b>Measurement and Data</b></p> <ul style="list-style-type: none"> <li>○ Geometric measurement: understand concepts of angles and measure angles.</li> </ul> <p><b>Geometry</b></p> <ul style="list-style-type: none"> <li>○ Draw and identify lines and angles, and classify shapes by properties of their lines and angles.</li> </ul>

**Depth Opportunities:**

NBT 5, 6; NF 1, 3, 4

<sup>3</sup> Work in this cluster supports students' work with multi-digit arithmetic as well as their work with fraction equivalence.

<sup>4</sup> The standard in this cluster requires students to use a line plot to display measurements in fractions of a unit and to solve problems involving addition and subtraction of fractions, connecting it directly to the Number and Operations – Fractions clusters.