

Grade 3

Major	Supporting	Additional
<p>Operations and Algebraic Thinking</p> <ul style="list-style-type: none"> ■ Represent and solve problems involving multiplication and division. ■ Understand the properties of multiplication and the relationship between multiplication and division. ■ Multiply and divide within 100. ■ Solve problems involving the four operations, and identify and explain patterns in arithmetic. <p>Number and Operations – Fractions</p> <ul style="list-style-type: none"> ■ Develop understanding of fractions as numbers. <p>Measurement and Data</p> <ul style="list-style-type: none"> ■ Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. ■ Geometric measurement: understand concepts of area and relate area to multiplication and to addition. 	<p>Geometry</p> <ul style="list-style-type: none"> □ Reason with shapes and their attributes.¹ <p>Measurement and Data</p> <ul style="list-style-type: none"> □ Represent and interpret data.² 	<p>Number and Operations in Base Ten</p> <ul style="list-style-type: none"> ○ Use place value understanding and properties of operations to perform multi-digit arithmetic. <p>Measurement and Data</p> <ul style="list-style-type: none"> ○ Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

Depth Opportunities:

OA 3, 6; NF 3; MD 2, 7

¹ Work should be positioned in support of area measurement and understanding of fractions.

² Students multiple and divide to solve problems using information presented in scaled bar graphs. Pictographs and scaled bar graphs are a visually appealing context for one- and two-step word problems.