Looking Back

DOMAIN Measurement and Data

Looking Ahead

Grade 4 Common Core Standards

4.MD.1 Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in a two-column table.

Topic **14** **Measurement Units and Conversions**

4.MD.2 Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

Topic **14** **Measurement Units and Conversions**

4.MD.3 Apply the area and perimeter formulas for rectangles in real world and mathematical problems.

Topic **15** **Solving Measurement Problems**

5.NBT.5 Fluently multiply multi-digit whole numbers using the standard algorithm.

Topic **3** **Multiplying Whole Numbers**

Grade 5 Topic 13

5.MD.1 Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real world problems.

13–1 **Converting Customary Units of Length**

13–2 **Converting Customary Units of Capacity**

13–3 **Converting Customary Units of Weight**

13–4 **Converting Metric Units of Length**

13–5 **Converting Metric Units of Capacity**

13–6 **Converting Metric Units of Mass**

13–7 **Problem Solving: Multiple-Step Problems**

Grade 5 Common Core Standards

5.G.2 Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.

Topic **14** **Data**

Grade 6 Common Core Standards

6.RP.3.d Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.

Topic **16** **Measurement**

6.G.1 Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

Topic **11** **Properties of Two-Dimensional Figures**

6.G.4 Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems.

Topic **17** **Perimeter and Area**

Topic **18** **Volume and Surface Area**