

**Measurement (M)**

Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grades 9-12
<p><b>MA.K.M.1</b> Identify and compare measurable attributes of objects.</p> <p>MA.K.M.1.1 Identify the attributes of a single object that can be measured such as length, volume or weight.</p> <p>MA.K.M.1.2 Directly compare two objects that have an attribute which can be measured in common. Express the comparison using language to describe the difference.</p> <p>MA.K.M.1.3 Express the length of an object, up to 20 units long, as a whole number of lengths by laying non-standard objects end to end with no gaps or overlaps.</p>	<p><b>MA.1.M.1</b> Compare and measure the length of objects.</p> <p>MA.1.M.1.1 Estimate the length of an object to the nearest inch. Measure the length of an object to the nearest inch or centimeter.</p> <p>MA.1.M.1.2 Compare and order the length of up to three objects using direct and indirect comparison.</p>	<p><b>MA.2.M.1</b> Measure the length of objects and solve problems involving length.</p> <p>MA.2.M.1.1 Estimate and measure the length of an object to the nearest inch, foot, yard, centimeter or meter by selecting and using an appropriate tool.</p> <p>MA.2.M.1.2 Measure the lengths of two objects using the same unit and determine the difference between their measurements.</p> <p>MA.2.M.1.3 Solve one- and two-step real-world measurement problems involving addition and subtraction of lengths given in the same units.</p>	<p><b>MA.3.M.1</b> Measure attributes of objects and solve problems involving measurement.</p> <p>MA.3.M.1.1 Select and use appropriate tools to measure the length of an object, the volume of liquid within a beaker and temperature.</p> <p>MA.3.M.1.2 Solve real-world problems involving any of the four operations with whole-number lengths, masses, weights, temperatures or liquid volumes.</p>	<p><b>MA.4.M.1</b> Measure the length of objects and solve problems involving measurement.</p> <p>MA.4.M.1.1 Select and use appropriate tools to measure attributes of objects.</p> <p>MA.4.M.1.2 Convert within a single system of measurement using the units: yards, feet, inches; kilometers, meters, centimeters, millimeters; pounds, ounces; kilograms, grams; gallons, quarts, pints, cups; liter, milliliter; and hours, minutes, seconds.</p>	<p><b>MA.5.M.1</b> Convert measurement units to solve multi-step problems.</p> <p>MA.5.M.1.1 Solve multi-step real-world problems that involve converting measurement units to equivalent measurements within a single system of measurement.</p>				
	<p><b>MA.1.M.2</b> Tell time and identify the value of coins and combinations of coins and dollar bills.</p> <p>MA.1.M.2.1 Using analog and digital clocks, tell and write time in hours and half-hours.</p> <p>MA.1.M.2.2 Identify pennies, nickels, dimes and quarters, and express their values using the ¢ symbol. State how many of each coin equal a dollar.</p> <p>MA.1.M.2.3 Find the value of combinations of pennies, nickels and dimes up to one dollar, and the value of combinations of one, five and ten dollar bills up to \$100. Use the ¢ and \$ symbols appropriately.</p>	<p><b>MA.2.M.2</b> Tell time and solve problems involving money.</p> <p>MA.2.M.2.1 Using analog and digital clocks, tell and write time to the nearest five minutes using a.m. and p.m. appropriately. Express portions of an hour using the fractional terms half an hour, half past, quarter of an hour, quarter after and quarter til.</p> <p>MA.2.M.2.2 Solve one- and two-step addition and subtraction real-world problems involving either dollar bills within \$100 or coins within 100¢ using \$ and ¢ symbols appropriately.</p>	<p><b>MA.3.M.2</b> Tell and write time and solve problems involving time.</p> <p>MA.3.M.2.1 Using analog and digital clocks tell and write time to the nearest minute using a.m. and p.m. appropriately.</p>	<p><b>MA.4.M.2</b> Solve problems involving time and money.</p> <p>MA.4.M.2.1 Solve two-step real-world problems involving distances and intervals of time using any combination of the four operations.</p> <p>MA.4.M.2.2 Solve one- and two-step addition and subtraction real-world problems involving money using decimal notation.</p>	<p><b>MA.4.M.2</b> Solve problems involving money.</p> <p>MA.5.M.2.1 Solve multi-step real-world problems involving money using decimal notation.</p>				