

## Grade 2

### Overview

Measurement and Data

- ❖ Work with time and money.

### Measurement and Data 2.MD

Work with time and money.

CCSS.Math.Content.2.MD.C.8 Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Example: If you have 2 dimes and 3 pennies, how many cents do you have? Represent and interpret data.

## Grade 4

### Measurement and Data 4.MD

Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

CCSS.Math.Content.4.MD.A.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.



## Prior SD Standards

### Third Grade Measurement Grade Standards, Supporting Skills, and Examples

Indicator 1: Apply measurement concepts in practical applications.

Bloom's Taxonomy Level	Standard, Supporting Skills, and Examples
(Application)	3.M.1.2. Students are able to count, compare, and solve problems using a collection of coins and bills.

### Third Grade Measurement Performance Descriptors

Advanced	<p>Third grade students performing at the advanced level:</p> <ul style="list-style-type: none"> <li>• convert and compare time in minute units of measure;</li> <li>• convert and compare U.S. Customary units of measure.</li> </ul>
Proficient	<p>Third grade students performing at the proficient level:</p> <ul style="list-style-type: none"> <li>• identify time before and after the hour within 5 minute intervals;</li> <li>• select the appropriate units for measurement;</li> <li>• solve money problems;</li> <li>• measure length in U.S. Customary;</li> <li>• identify U.S. Customary units of length, capacity, weight, and temperature.</li> </ul>
Basic	<p>Third grade students performing at the basic level:</p> <ul style="list-style-type: none"> <li>• identify units of time in hour units;</li> <li>• identify U.S. Customary units of measure of length, capacity, weight, and temperature;</li> <li>• count money.</li> </ul>

### Fourth Grade Measurement Grade Standards, Supporting Skills, and Examples

**Indicator 1: Apply measurement concepts in practical applications.**

Bloom's Taxonomy Level	Standard, Supporting Skills, and Examples
(Application)	<p>4.M.1.2. Students are able to solve problems involving money including unit conversion.</p> <ul style="list-style-type: none"> <li>• Use of proper notation.</li> </ul> <p style="margin-left: 40px;">Example: Roberta had six quarters, three dimes, and fourteen pennies. How much money did she have in all?</p> <ul style="list-style-type: none"> <li>▪ <i>Determine total costs as a function of the number of units and the per unit cost.</i></li> </ul> <p style="margin-left: 40px;"><i>Example: What is the total cost of 3 pencils that cost 5</i></p>

	<i>cents each?</i>
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### Fourth Grade Measurement Performance Descriptors

Advanced	<p>Fourth grade students performing at the advanced level:</p> <ul style="list-style-type: none"> <li>• choose appropriate units and tools to solve measurement problems;</li> <li>• determine equivalent units of time;</li> <li>• solve problems involving time.</li> </ul>
Proficient	<p>Fourth grade students performing at the proficient level:</p> <ul style="list-style-type: none"> <li>• measure temperature, capacity, length, and weight;</li> <li>• solve problems involving money;</li> <li>• identify equivalent periods of time.</li> </ul>
Basic	<p>Fourth grade students performing at the basic level:</p> <ul style="list-style-type: none"> <li>• measure length and weight in whole units.</li> </ul>

### Fifth Grade Measurement Grade Standards, Supporting Skills, and Examples

**Indicator 1: Apply measurement concepts in practical applications.**

Bloom's Taxonomy Level	Standard, Supporting Skills, and Examples
(Application)	<p><b>5.M.1.2. Students are able to solve problems involving money including making change.</b></p> <p><b>Example:</b> Sara paid \$10.00 for a tape that cost \$6.95. The sales tax was 49 cents. How much money should Sara get back in change?</p> <ul style="list-style-type: none"> <li>▪ <i>Determine per unit cost based on number of units and the total cost.</i> <i>Example: What is the price per unit?</i> <i>10 pencils for \$0.50</i> <i>1 pencil = \$0.50</i></li> </ul>

### Fifth Grade Measurement Performance Descriptors

<b>Advanced</b>	<p>Fifth grade students performing at the advanced level:</p> <ul style="list-style-type: none"> <li>• solve two-step problems involving measurement of length, time, temperature, weight, money, and capacity.</li> </ul>
<b>Proficient</b>	<p>Fifth grade students performing at the proficient level:</p> <ul style="list-style-type: none"> <li>• use appropriate tools to solve problems involving measurement of</li> </ul>

	<p>length, time, temperature, and weight;</p> <ul style="list-style-type: none"> <li>• convert U.S. Customary measurement units.</li> <li>• solve problems involving money including making change.</li> </ul>
<b>Basic</b>	<p>Fifth grade students performing at the basic level:</p> <ul style="list-style-type: none"> <li>• measure length, time, temperature, weight, and capacity.</li> <li>• solve one-step money problems.</li> </ul>

## MEASUREMENT STANDARDS 3-5

### Indicator 1: Apply measurement concepts in practical applications.

Third Grade	Fourth Grade	Fifth Grade
<p>3.M.1.2. (Application) Count, compare, and solve problems using a collection of coins and bills.</p>	<p>4.M.1.2. (Application) Solve problems involving money including unit conversion.</p>	<p>5.M.1.2. (Application) Solve problems involving money including making change.</p>