

Content Standard	<p><b>MAFS.5.MD</b> <i>Measurement and Data</i></p> <p><b>MAFS.5.MD.1</b> <i>Convert like measurement units within a given measurement system.</i></p> <p><b>MAFS.5.MD.1.1</b> <i>Convert among different-sized standard measurement units (i.e., km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec) 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.</i></p>		
Assessment Limits	<p>Measurement values can be whole, decimal, and/or fractional values. Conversion is within the same system. Units of measurement include: kilometer, meter, centimeter, millimeter, liter, milliliter, kilogram, gram, milligram, mile, yard, foot, inch, gallon, quart, pint, cup, ton, pound, and ounce.</p>		
Calculator	No		
Acceptable Response Mechanisms	<p>Equation Response Multi-Select Response Multiple Choice Response Table Response</p>		
Context	Allowable		
<b>Example</b>			
Context	Michael is measuring and converting distances in and around his school using whole numbers and decimals.		
Context easier	<p>Whole-number values. One-step conversions. Measurement conversions are from larger to smaller units.</p>		
Context more difficult	<p>Whole, decimal, and fractional values. Multi-step conversions. Measurement conversions can go in either direction. Conversions of non-adjacent units that are separated by two or more (i.e., cups to gallons).</p>		
Sample Item Stem	Response Mechanism	Notes, Comments	
Michael is helping with the school play by measuring fabric for the costumes. He needs 9 yards of fabric. He has 12 feet of fabric. How many more feet of fabric does he need?	Equation Response		
Michael is helping with the school play by measuring fabric for the costumes. He needs 11.5 yards of fabric. He has 13.5 feet of fabric. How many more feet of fabric does he need?	Equation Response		

Grade 5 Mathematics Item Specifications  
Florida Standards Assessments

<p>Michael is helping with the school play by measuring fabric for the costumes. He needs 46 feet of fabric. He has 12.5 yards of fabric. How many more yards of fabric does he need?</p>	<p>Equation Response</p>	
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