

Grade 5 Mathematics Item Specifications  
Florida Standards Assessments

Content Standard	<p><b>MAFS.5.NBT</b> Number and Operations in Base Ten</p> <p><b>MAFS.5.NBT.1</b> Understand the place value system.</p> <p><b>MAFS.5.NBT.1.4</b> Use place value understanding to round decimals to any place.</p>																
Assessment Limits	Decimals to thousandths.																
Calculator	No																
Acceptable Response Mechanisms	<p>Equation Response</p> <p>Matching Item Response</p> <p>Multiple Choice Response</p> <p>Multi-Select Response</p> <p>Table Response</p>																
Context	Allowable																
Example																	
Context	Round a decimal number by one digit to the nearest hundredth.																
Context easier	Round a decimal number by one digit to the nearest tenth or ones place.																
Context more difficult	Round a decimal number by more than one digit to the nearest hundredth, tenth, or ones place.																
Sample Item Stem	Response Mechanism	Notes, Comments															
<p>Select all the numbers that round to 4.3 when rounded to the nearest tenth.</p> <ul style="list-style-type: none"> <li><input type="radio"/> 4.25</li> <li><input type="radio"/> 4.24</li> <li><input type="radio"/> 4.21</li> <li><input type="radio"/> 4.35</li> <li><input type="radio"/> 4.34</li> <li><input type="radio"/> 4.31</li> </ul>	Multi-Select Response																
What is 3.149 rounded to the nearest hundredth?	Equation Response																
<p>Select the value of each decimal number when it is rounded to the nearest whole number.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="width: 50px;">5</th> <th style="width: 50px;">6</th> </tr> </thead> <tbody> <tr> <td>5.06</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>5.59</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>5.47</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>5.92</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>		5	6	5.06	<input type="checkbox"/>	<input type="checkbox"/>	5.59	<input type="checkbox"/>	<input type="checkbox"/>	5.47	<input type="checkbox"/>	<input type="checkbox"/>	5.92	<input type="checkbox"/>	<input type="checkbox"/>	Matching Item Response	
	5	6															
5.06	<input type="checkbox"/>	<input type="checkbox"/>															
5.59	<input type="checkbox"/>	<input type="checkbox"/>															
5.47	<input type="checkbox"/>	<input type="checkbox"/>															
5.92	<input type="checkbox"/>	<input type="checkbox"/>															

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Numbers are rounded to the nearest tenth and hundredth, as shown in the table.

Complete the table to show the numbers that could be rounded.

Number	Rounded to Nearest Tenth	Rounded to Nearest Hundredth
<input type="text"/>	1.5	1.55
<input type="text"/>	3.2	3.18
<input type="text"/>	9.4	9.35

Table Response