

Grade 3 Mathematics Item Specifications  
Florida Standards Assessments

Content Standard	<p><b>MAFS.3.OA Operations and Algebraic Thinking</b></p> <p><b>MAFS.3.OA.4</b> Solve problems involving the four operations, and identify and explain patterns in arithmetic.</p> <p><b>MAFS.3.OA.4.8</b> Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.</p>																	
Assessment Limits	<p>Whole numbers. Adding and subtracting whole numbers within 1,000. Multiplying and dividing whole numbers within 100. Students will not be required to perform rounding in isolation (MAFS.3.NBT.1.1).</p>																	
Calculator	No																	
Acceptable Response Mechanisms	<p>Equation Response Multiple Choice Response Natural Language Response</p>																	
Context	Required																	
Example																		
Context	Students solve a two-step equation for a given problem. Setting up an equation is not required but may be provided.																	
Context easier	<p>Students are given a diagram to show the number of books sold by the bookstore in a given week. Example:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 14.28%;">Monday</th> <th style="width: 14.28%;">Tuesday</th> <th style="width: 14.28%;">Wednesday</th> <th style="width: 14.28%;">Thursday</th> <th style="width: 14.28%;">Friday</th> <th style="width: 14.28%;">Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">40</td> <td style="text-align: center;">60</td> <td></td> <td></td> <td></td> <td style="text-align: center;">250</td> </tr> </tbody> </table>						Monday	Tuesday	Wednesday	Thursday	Friday	Total	40	60				250
Monday	Tuesday	Wednesday	Thursday	Friday	Total													
40	60				250													
Context more difficult	Students are given facts and a question to help solve a problem. Questions reach the higher end of the content limits (sum to 1,000 / products to 100).																	
Sample Item Stem		Response Mechanism		Notes, Comments														
On Monday, the bookstore sold 75 books. On Tuesday, the bookstore sold 125 books. The bookstore must sell 500 books by Friday. How many more books must the bookstore sell?		Equation Response																
A bookstore has 4 boxes of 20 books in each box. On Monday, the bookstore sold 16 books. How many books remain to be sold?		Equation Response																

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<p>On Monday, the bookstore sold 75 books. On Tuesday, the bookstore sold 125 books. The bookstore must sell 500 books by Friday. Write an equation that can be used to find how many more books, <math>b</math>, the bookstore must sell.</p>	<p>Equation Response</p>	
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