

Grade Level/  
Subject Area: 4th - MathDate: September 21, 2018

<b>Five Step Process for Developing Proficiency Scales</b>	
1) Determine the topic of the proficiency scale. 2) Determine the language of score 3.0 (the target learning goal). 3) Determine vocabulary related to the target learning goal and record it in score 2.0. 4) Determine the prerequisite knowledge and skills and record it in score 2.0. 5) Discuss how a student might demonstrate a score 4.0 performance.	
Topic: 3 digit x 1 digit multiplication	
<b>4.0</b>	<p>In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what is expected from the 3.0 goal.</p> <p>The student will: Find and explain the error in a 3 digit by 1 digit multiplication problem</p>
<b>TARGET 3.0</b>	<p><b>Student will be able to:</b></p> <ul style="list-style-type: none"> <li>● multiply a one digit whole number by a three digit whole number using any strategy.</li> </ul> <p style="padding-left: 40px;">4.NBT. ?</p>
<b>2.0</b>	<p><b>Student will recognize/recall specific vocabulary, such as:</b></p> <ul style="list-style-type: none"> <li>● factor</li> <li>● product</li> <li>● strategies - traditional, partial product, area model, array</li> <li>● place value</li> </ul> <p>Students will perform basic processes, such as:</p> <ul style="list-style-type: none"> <li>● 2.5 = 2 digit x 1 digit multiplication with regrouping</li> <li>● 2.0 = 2 digit x 1 digit multiplication without regrouping</li> <li>● 1.5 = uses repeated addition to model a multiplication problem of any value</li> </ul>
<b>1.0</b>	<p><b>With help, partial success at score 2.0 and 3.0 content.</b></p> <p><i>*Optional: If needed, prerequisite skills for 2.0 may be listed in 1.0.</i></p>
<b>0</b>	<p><b>Even with help, the student cannot perform expectations.</b></p>