

Content Area: Math

<b>Strand:</b> Numbers & Operations	<b>Missouri GLE:</b> N2C DOK 2
<b>Reporting Topic:</b> Properties of Operations	
<b>Grade:</b> 8th	

<b>Score 4.0</b>	<p><b>In addition to Score 3.0, in-depth inferences or applications that go beyond what was taught. For example, the student may:</b></p> <ul style="list-style-type: none"> <li>• Write and evaluate an expression or equation using rational and irrational numbers from a real life application using order of operations and inverse operations</li> </ul>
	<b>3.5</b> In addition to 3.0 performance, in-depth inferences and applications with partial success.
<b>Score 3.0</b>	<p><b>The student will:</b></p> <ul style="list-style-type: none"> <li>• Apply properties of operations to all rationals numbers including order of operations and inverse operations</li> </ul> <p><b>The students exhibits no major errors or gaps in the learning goal (complex Ideas and processes).</b></p>
	<b>2.5</b> No major errors or gaps in 2.0 content and partial knowledge of 3.0 content.
<b>Score 2.0</b>	<p><b>The student will:</b></p> <ul style="list-style-type: none"> <li>• Identify basic properties</li> <li>• Understand basic terminology such as: <ul style="list-style-type: none"> <li>○ Order of operations</li> <li>○ Commutative property of addition and multiplication</li> <li>○ Associative property of addition and multiplication</li> <li>○ Identity property of addition and multiplication</li> <li>○ Inverse property of addition and multiplication</li> <li>○ Property of zero</li> <li>○ Additive inverse property</li> <li>○ Distributive property</li> </ul> </li> </ul> <p><b>The student exhibits no major errors or gaps in the simpler details and processes</b></p>
	<b>1.5</b> Partial understanding of the 2.0 content with major errors or gaps in 3.0 content.
<b>Score 1.0</b>	<b>With help, a partial understanding of the 2.0 content and some of the 3.0 content.</b>
	<b>0.5</b> With help, a partial understanding of the 2.0 content and none of the 3.0 content.
<b>Score 0.0</b>	<b>Even with help, no understanding or skill demonstrated.</b>