

Operations Rubric

SNAP (Student Numeracy Assessment & Practice)

Competency	1 - Emerging <i>Student understanding and application of number operations is not evident</i>	2 - Developing <i>The student demonstrates some understanding and application of number operations</i>	3 - Proficient <i>The student demonstrates proficient understanding and application of number operations</i>	4 - Extending <i>The student demonstrates superior understanding and application of number operations.</i>
Communicating and Representing <i>Entire Assessment</i>	<ul style="list-style-type: none"> Communication (written, pictorial or symbolic) of understanding is not evident 	<ul style="list-style-type: none"> Communicates (written, pictorial or symbolic) limited understanding 	<ul style="list-style-type: none"> Communicates (written, pictorial or symbolic) clear understanding in multiple ways 	<ul style="list-style-type: none"> Communicates (written, pictorial or symbolic) insightful understanding in multiple ways
Understanding and Solving <i>Draw & Calculate Boxes</i>	<ul style="list-style-type: none"> Strategies to solve the problem and show understanding are not evident 	<ul style="list-style-type: none"> Strategies to correctly solve the problem and show understanding are simple or limited 	<ul style="list-style-type: none"> Uses grade appropriate strategies to correctly solve the problem and show understanding 	<ul style="list-style-type: none"> Uses multiple strategies (some beyond grade expectations) to correctly solve the problem and show understanding
Connecting and Reflecting <i>Real Life Example/ Word Problem</i>	<ul style="list-style-type: none"> Real life example and connections to mathematical concepts are not evident 	<ul style="list-style-type: none"> Real life example and connections to mathematical concepts are limited 	<ul style="list-style-type: none"> Real life example and connections to mathematical concepts are evident 	<ul style="list-style-type: none"> Real life example and connections to mathematical concepts are insightful
<i>Reflection</i>	<ul style="list-style-type: none"> Simple reflections on mathematical thinking are not evident 	<ul style="list-style-type: none"> Simple reflections on mathematical thinking are evident 	<ul style="list-style-type: none"> Some insight on mathematical thinking is evident 	<ul style="list-style-type: none"> Insightful reflection on mathematical thinking is evident
Reasoning and Analyzing <i>Estimate & Justify Box</i>	<ul style="list-style-type: none"> Estimation/mental math strategies and justification are not evident 	<ul style="list-style-type: none"> Estimation/mental math strategies and justification are simple 	<ul style="list-style-type: none"> Estimation/mental math strategies and justification are reasonable 	<ul style="list-style-type: none"> Estimation/mental math strategies are reasonable and justification is detailed