



Number Sense Rubric

SNAP (Student Numeracy Assessment & Practice)

Competency	1 <i>Student understanding and application of learning standard(s) is not evident</i>	2 <i>The student demonstrates some understanding and application of number sense</i>	3 <i>The student demonstrates proficient understanding and application of number sense</i>	<i>Teacher notes for demonstration of understanding and applications beyond proficiency</i>
Communicating and Representing <i>Picture Box</i>	<ul style="list-style-type: none"> Pictures do not show the value of the number Inaccurate 	<ul style="list-style-type: none"> Pictures show some value in representing the number Partially accurate 	<ul style="list-style-type: none"> Pictures are clearly communicated and represent the value of the number Accurate 	
<i>Describe Picture</i>	<ul style="list-style-type: none"> Description and elaboration of pictorial representation is not evident Communication is not clear 	<ul style="list-style-type: none"> Partial accuracy in describing and elaborating on pictorial representation Partially communicated 	<ul style="list-style-type: none"> Accurately describes and elaborates on pictorial representation Clearly communicated 	
<i>Expanded Form</i>	<ul style="list-style-type: none"> The value of each digit is not evident 	<ul style="list-style-type: none"> Partially accurate in demonstrating the value of each digit 	<ul style="list-style-type: none"> Accurately demonstrates the value of each digit 	
Understanding and Solving <i>3 Equations</i>	<ul style="list-style-type: none"> Accurate grade appropriate operations are not evident 	<ul style="list-style-type: none"> Accurately uses grade appropriate operations in one or two equations 	<ul style="list-style-type: none"> Accurately uses grade appropriate operations in all three equations 	
Connecting and Reflecting <i>Real Life Connection</i>	<ul style="list-style-type: none"> A real life example is not provided 	<ul style="list-style-type: none"> A partial connection to a real life example is provided 	<ul style="list-style-type: none"> Connection to a real life example is provided Demonstrates understanding of the number value 	
<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 	
Reasoning and Analyzing <i>Number Line</i>	<ul style="list-style-type: none"> Incorrect estimate of placement of number on provided number line 	<ul style="list-style-type: none"> Partially correct estimate of placement of number on provided number line 	<ul style="list-style-type: none"> Correct estimate of placement of number on provided number line with benchmarks 	
<i>Counting Forwards and Backwards</i>	<ul style="list-style-type: none"> Incomplete and inaccurate 	<ul style="list-style-type: none"> Partially complete and accurate 	<ul style="list-style-type: none"> Complete and accurate 	

Operations Rubric

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Competency	1 <i>Student understanding and application of number operations is not evident</i>	2 <i>The student demonstrates some understanding and application of number operations</i>	3 <i>The student demonstrates proficient understanding and application of number operations</i>	4 <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