

Number Sense Rubric - Grade 5

0-1 000 000

SNAP (Student Numeracy Assessment & Practice)

Competency	Emerging <i>The student demonstrates an initial understanding of the concepts and competencies relevant to the expected learning.</i>	Developing <i>The student demonstrates a partial understanding of the concepts and competencies relevant to the expected learning.</i>	Proficient <i>The student demonstrates a complete understanding of the concepts and competencies relevant to the expected learning.</i>	Notes
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 (e.g. base ten and/or symbols) 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 AND/OR Partially communicated 	<ul style="list-style-type: none"> Accurately describes and elaborates on pictorial representation (e.g. legend, key, or words) Clearly communicated 	
<i>Expanded Form</i>	<ul style="list-style-type: none"> Emergent understanding of the value of digits in their place values 	<ul style="list-style-type: none"> Partially accurate in demonstrating the value of each digit (40000 +2000+139=42139 OR 40000+100 +30+9=42139) 	<ul style="list-style-type: none"> Accurately demonstrates the value of each digit (e.g. 300000+40000+7000 etc. or 3 hundred thousands, 4 ten-thousands, 7 thousands, 7 tens etc.) 	
Understanding and Solving <i>3 Equations</i>	<ul style="list-style-type: none"> Emergent use of operations 	<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 (see Exemplars for examples) 	
Connecting and Reflecting <i>Real Life Connection</i>	<ul style="list-style-type: none"> A real-life example is not provided or is not connection to the number 	<ul style="list-style-type: none"> A partial connection to a real-life example is provided (e.g. There are 347075 trees in Canada) 	<ul style="list-style-type: none"> Connection to a real-life example is provided Demonstrates understanding of the number value (e.g. 347075 leaves on a small tree shows understanding; "My phone number is 347075" does not) 	
<i>Reflection</i>	<ul style="list-style-type: none"> With support, student is not yet able to reflect on their learning 	<ul style="list-style-type: none"> Can partially identify strengths and stretches e.g. "Everything was easy. Nothing was hard." 	<ul style="list-style-type: none"> With sentence frames and structure, can proficiently reflect on their learning e.g. "I feel confident with ____; ____ was challenging; my goal is ____" 	
Reasoning and Analyzing <i>Number Line</i>	<ul style="list-style-type: none"> Emergent understanding of the placement of the number on a number line 	<ul style="list-style-type: none"> Partially correct estimate of placement of number on provided number line; benchmarks may be missing 	<ul style="list-style-type: none"> Correct estimate of placement of number on provided number line with at least three benchmarks 	
<i>Counting Forwards and Backwards</i>	<ul style="list-style-type: none"> Emergent understanding of place value, number sense, and/or skip counting 	<ul style="list-style-type: none"> Partially complete and accurate 	<ul style="list-style-type: none"> Complete and accurate; demonstrates understanding but may include a minor recording error 	

Overall Proficiency Score:

Emerging

Developing

Proficient

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Adapted from SD33- Chilliwack- SNAP