**Looking for Evidence of the**

**Standards for Mathematical Practice**

**SMPs 2 & 3**

**Reasoning and Explaining**

Use the handout to document any student behaviors that are evidence of the Standards for Mathematical Practice for use with the elementary progress reports. Teachers select from the eight Math Practices on which to focus during the grading period. Grade levels are encouraged to discuss what evidence constitutes progress towards meeting the standards by the end of the year.

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| **Standard for Mathematical Practice** | **Evidence of Student Proficiency** |
| **SMP 2 Reason abstractly and quantitatively.**  **Mathematically proficient students:**   * Make sense of quantities and relationships in problem situations. * Represent abstract situations symbolically and understand the meaning of quantities. * Create representations of the problem. * Consider the units involved. * Flexibly use properties of operations. |  |
| **SMP 3 Construct viable arguments and critique the reasoning of others.**  **Mathematically proficient students:**   * Use definitions and results in constructing arguments. * Make conjectures and use counterexamples to build a logical progression of statements to explore and support ideas. * Communicate and defend mathematical reasoning using objects, drawings, diagrams, and/or actions. * Listen to or read the arguments of others. * Decide if the arguments of others make sense and ask questions to clarify or improve the arguments. |  |