

# MATH MASTERY CHECK IN

**Demonstrates Mastery Consistently:** Student consistently answers questions correctly, and frequently provides a deep rationale for why a response is correct. Student can recall information over time and can reproduce mastery levels after several days or weeks. Use these questions to push students towards higher levels of growth to help students exceed the minimum standards set.

- How can you prove that....?
- What evidence can you use to support the process to solving the problem?
- What strategy did you use to draw the conclusion? How did you know to use it?
- Do you agree or disagree with your peer? Why?
- What concepts are involved in this problem? What did you have to know to solve the problem?
- How does your peer's response/ rationale differ from yours? Can you combine ideas to explain the problem more clearly?

**Sometimes demonstrates mastery-** Student consistently answers questions correctly but cannot provide a deep rationale for why a response is correct. Student may not be able to recall information over time. Use these questions to move students toward full mastery of the standard.

- Could you have used another method to solve? Why or why not?
- Can you explain the rationale you used to solve this problem to a peer using a model to support your answer?
- Can you identify other questions similar to this problem?
- What would you need to practice to feel like you fully mastered this idea?

**Begins to demonstrate mastery-** Student sometimes answers questions correctly, but may need additional prompts. Student cannot recall information over time, and cannot provide a strong rationale for why a response is correct. Use these questions to help students consistently answer questions correctly.

- What specific steps did you take to arrive at that conclusion?
- Why did you choose that response?
- What pieces of the problem are unclear or confusing to you?
- If we used simpler numbers or less steps, could you then solve the problem?
- How would you describe this problem in your own words?

**No mastery-** Student consistently incorrectly answers questions and shows deficiency in foundational skills. Student may need to be led or guided throughout the entire problem, and may not be able to begin a problem on his/ her own. Use these questions to help guide students toward basic understanding of the concepts:

- What words are important in the question?
- What is the question asking?
- What are you trying to find?
- What concepts do you need to know to be able to solve this problem?
- When reviewing the foundational concepts, are there areas you do not understand?
- How quickly can you complete these foundational problems?