



High Leverage Assessment - 5

****Teacher Note****

Please consider:

- Administering the entire grade level HLA three times a year (sometime during the months of September, January, and May).
- Only assign tasks that can be completed in one sitting (i.e., assign half the tasks on one day and the remaining tasks on another day).
- Remind students to show their thinking using models, numbers and/or words.
- Some students may not be ready to solve specific tasks. Please allow them to move on to the next question.
- Over time, you should see progress in the complexity of the strategies and/or models that all students use to demonstrate their mathematical thinking.

****Purpose - To Share with Students****

“This assessment provides evidence of your growth throughout the school year.

In order to see growth, we have to know how you are thinking about these problems each time you see them. That means that we need to see your thinking in words, models, or numbers.

The strategies that you use to make sense of these problems is what demonstrates growth and is therefore most important to us.

You may use the tools that are always available to you in our classroom, but not a calculator or computer.

I may tell you to move on to another problem if I see sufficient evidence of your strategy. I may also ask a question to better help me understand your strategy. You may or may not have time to finish.”



High Leverage Assessment

Name: _____

Teacher: _____

Date: _____

1. Maya walked $\frac{1}{4}$ of a mile to Lee's house. Then they walked $\frac{5}{6}$ of a mile to the park.

Did Maya walk:

- a. more than a mile
- b. less than a mile
- c. a mile

Explain your choice.

2. A flower garden has a length of $5\frac{2}{3}$ feet and a width of $3\frac{1}{4}$ feet. What is the area of the garden? Draw a model to show your mathematical thinking.



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3. Jamie bought a box of cereal that had $3\frac{1}{2}$ cups of cereal.

Today they ate $\frac{2}{3}$ cups for breakfast. How much cereal is left?

Show your thinking using an **equation** and a visual **model**.

4. You have 6 cups of sugar left in the bag. It takes $\frac{1}{3}$ of a cup of sugar to make a loaf of bread. How many loaves could you make? Show your thinking.