**“Popcorn Picker” 3-Act Task**

Adapted from <http://threeacts.mrmeyer.com/popcornpicker/>

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Act 1: Brainstorm!** |
| What question are you going to solve? | What do YOU predict? |
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| **Act 2: Gather Info** |
| What information do you need to know to solve the problem? |
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| **Act 3: Solve your problem!** |
| Show your work! You may use a calculator, but work out the problems below. Clearly label your answers. |
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**Sequel: Choose one of the following extensions!**

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| **Circle one of the following choices. Be sure to show your work and use strong math vocabulary!** |
| 1) Clearly justify your reasoning to the “Popcorn Picker” task. Explain how you solved the problem and why you included certain steps.  | 2) A cube that is 4 inches long is also being tested on its popcorn-holding ability. How will it compare with the other two containers? Show your work! | 3) A new rectangular popcorn container holds 1,500 cm³ of popcorn. The length of the container is 12 cm, and the width is 10 cm. What is the height of the container? Show your work! |
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| **Here’s how I answered #19:** | **Mastered** | **Partially Met** | **Did Not Meet** |
| I used at least 2 math vocabulary words. | 2 | 1 | 0 |
| I justified my reasoning in sentences, gave support for my answer, and clearly explained steps when necessary. | 4 | 2  | 0 |
| I solved the problem correctly. | 4 | 2  | 0 |