

I can use persuasive writing to validate my solution to a problem using measurement and proportional reasoning.

<p style="text-align: center;">Read Ask – Choose - Estimate</p>	<p style="text-align: center;">Write Answer – Compute & Check - Explain</p>	<p style="text-align: center;">Reflect Analyze – Communicate - Extend</p>
<ul style="list-style-type: none"> ✓ What is the problem or situation asking? ✓ How many parts of the question are there to answer? ✓ What units are involved? ✓ What vocabulary do I need to look up? ✓ What questions could I ask a friend/parent/teacher to help me get started on this problem or situation? ✓ What strategies can I use to solve this problem/situation: <ul style="list-style-type: none"> Draw a picture Look for a pattern x, +, -, / Use objects Construct a table/chart/list Guess & Check Make a graph Work backwards Act it out Write an equation Solve a simpler problem Make a model ✓ What supplies/manipulatives do I need or can I use to help me solve this problem? ✓ Can I estimate a reasonable answer? ✓ What should my answer look like? 	<ul style="list-style-type: none"> ✓ Did I answer what the question asked? ✓ Did I answer all parts of the question? ✓ Did I use the correct units? ✓ Did I check my answer with the estimate I made? ✓ Have I written out my plan step-by-step? ✓ Is each step of my plan specific: <ul style="list-style-type: none"> - Not specific – multiply the sides together - Specific – Multiply one side of the rectangle, 8 cm, by the other side, 4 cm, to get the area of 32 cm. ✓ Did I draw the picture/chart/graph and remember to label all the parts? ✓ Did I summarize my results? ✓ Did I write my explanation in complete sentences? ✓ Could a person that doesn't know how to do this problem read my explanation and have their misunderstandings cleared up? 	<ul style="list-style-type: none"> ✓ Did I save all attempts at solving the problem? ✓ Why did I give up solving the problem one way and try a different way? ✓ What mistakes did I make? How can I avoid these mistakes in the future? ✓ What made this problem easy/difficult for me? ✓ What did I learn from this problem? ✓ What did I learn from other people who did this problem? ✓ How does this problem/situation relate to our learning target(s)? ✓ How does this problem/situation relate to math that I have already learned? ✓ How can I extend this problem into areas outside of math?
<p>Problem: You need to make a lifesize body trace of Hagrid as if he were laying flat on the piece of paper. (The circumference of his head is 30 inches) You will be writing an explanation of your calculations in a persuasive writing piece explaining to the reader how you determined all the dimensions of your drawing.</p>		