

CER Drafting Tool- Math Justification Paragraph

<p>Deconstruct the Problem Choose some of the following components to include in your introduction.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Provide relevant background information <input type="checkbox"/> Identify critical information <input type="checkbox"/> Present problem to be solved <input type="checkbox"/> Predict answer <input type="checkbox"/> Point out unknowns <input type="checkbox"/> Link to prior knowledge 	<p><u>Sentence Starters</u></p> <p><i>The problem asked me to _____.</i></p> <p><i>The problem is about _____.</i></p> <p><i>From the problem, I determined _____.</i></p> <p><i>To solve the problem, I had to _____.</i></p> <p><i>I already knew _____. I needed to figure out _____.</i></p> <p><i>I knew the solution was likely _____.</i></p> <p><i>When starting the problem, I didn't know _____.</i></p> <p><i>This problem is similar to _____.</i></p>	<p>Draft your introduction.</p>
<p>Explain your Thinking Choose some of the following components to include in the second section of your work sample.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explain why you chose your steps <input type="checkbox"/> Explain why you chose your operation <input type="checkbox"/> Consider shortcuts <input type="checkbox"/> Draw on previous experience <p>Note: DO NOT list your steps. EXPLAIN your choices.</p>	<p><u>Sentence Starters</u></p> <p><i>I knew I had to _____ because _____.</i></p> <p><i>To find the answer I had to _____ because the problem asked _____.</i></p> <p><i>After doing _____, I realized that _____.</i></p> <p><i>I found _____ and decided to _____ because _____.</i></p> <p><i>I considered trying _____, but didn't because _____.</i></p> <p><i>To solve for _____, I _____ because _____.</i></p> <p><i>Doing _____ wouldn't work because _____. Instead I _____ because _____.</i></p>	<p>Draft the explanation of your thinking.</p>
<p>Discussion of Process Choose some of the following components to include in the third section of your work sample.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Reflect on process <input type="checkbox"/> Identify errors <input type="checkbox"/> Explain decisions <input type="checkbox"/> Reveal shortcuts <input type="checkbox"/> Compare to other problems 	<p><u>Sentence Starters</u></p> <p><i>I had trouble when/with _____.</i></p> <p><i>An error in my process was _____.</i></p> <p><i>Once I _____, I realized that _____.</i></p> <p><i>The fact that _____ led me to the conclusion that _____.</i></p> <p><i>As a result of _____, I made the decision to _____.</i></p> <p><i>I found the solution by _____.</i></p> <p><i>I knew what to do because _____.</i></p> <p><i>I drew on my experience with _____.</i></p>	<p>Draft your discussion of the process.</p>

<p>Conclusion Choose some of the following components to include in the fourth section of your work sample.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Discuss insights <input type="checkbox"/> Share new learning <input type="checkbox"/> Mention continuing areas of confusion <input type="checkbox"/> Suggest alternative methods <input type="checkbox"/> Ask questions for further study <input type="checkbox"/> Propose next steps 	<p><u>Sentence Starters</u></p> <p><i>I realized / discovered that _____ . The problem taught me _____ .</i></p> <p><i>I still struggle with _____ .</i></p> <p><i>I could have tried _____ .</i></p> <p><i>Another method might have _____ .</i></p> <p><i>I would have been more successful if _____ .</i></p> <p><i>Next time, I will _____ .</i></p> <p><i>In the future, I will remember _____ .</i></p> <p><i>Now I understand _____ .</i></p>	<p>Draft your conclusion.</p>
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Modified by Jessica Clark. Original by:

Constructing Meaning: Explicit Language for Content Instruction

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