

How to be Successful at Solving Math Questions/Tasks/Problems

I am Successful when	Metacognitive Thinking
<p>I can solve the problem correctly.</p> <ul style="list-style-type: none"> • I know what math to do. • I can do the math. 	<p>What am I being asked to do?</p> <p>What is the important information?</p> <p>Have I solved a problem like this before?</p> <p>Is there other information I need to know?</p> <p>What strategies, tools or models might help me?</p> <p>Are there many steps involved?</p> <p>Did I answer the question that was being asked?</p> <p>Does my answer make sense?</p>
<p>I can explain my thinking clearly.</p> <ul style="list-style-type: none"> • My solution is justified. • My thinking is shown. 	<p>Would somebody know how I solved the problem if they looked at my paper?</p> <p>Would a few headings or words clarify my thinking?</p> <p>Did I include something that would show my thinking (i.e., a number sentence, a model, an explanation of my reasoning, etc.)?</p>
<p>I persevere through problems.</p> <ul style="list-style-type: none"> • I take risks. • I ask questions. • I don't give up. 	<p>If I don't know how to start, what could I try? How could I muck about with the math to reason through the problem?</p> <p>Is there other math I understand that I could use to connect to this problem? Could I connect it to the real world?</p> <p>Why am I not getting the answer I thought I would get? What am I missing? What should I try next?</p> <p>Is there another way I could approach this problem or is there another model I could use to try to make sense of the problem?</p>

