

## Student Rubric for Measuring of Task Area and Conversion to Roman Numerals

Criteria	Level 1	Level 2	Level 3	Level 4
<b>Understand the Problem</b> ■ Do I understand the problem?	<input type="checkbox"/> I need a lot of help to understand a problem.	<input type="checkbox"/> I understand some parts of a problem.	<input type="checkbox"/> I can usually understand a problem.	<input type="checkbox"/> I almost always understand a problem.
<b>Make a Plan</b> ■ Can I think of a plan to solve the problem? ■ Can I choose a problem solving strategy? ■ Can I choose the right mathematical tools?	<input type="checkbox"/> I need a lot of help to come up with a plan. <input type="checkbox"/> I need a lot of help choosing a problem solving strategy. <input type="checkbox"/> I need help to choose the right mathematical tools and help to use them.	<input type="checkbox"/> I come up with a plan if I get a little help. <input type="checkbox"/> I sometimes choose a problem solving strategy. <input type="checkbox"/> I sometimes choose the right mathematical tools.	<input type="checkbox"/> I usually come up with a good plan. <input type="checkbox"/> I usually choose a problem solving strategy. <input type="checkbox"/> I usually choose the right mathematical tools to solve a problem.	<input type="checkbox"/> I come up with a really neat plan. <input type="checkbox"/> I always choose a problem solving strategy. <input type="checkbox"/> I almost always use a variety of mathematical tools with lots of success.
<b>Carry Out the Plan</b> ■ Do I perform my calculations accurately? ■ Can I get a solution to the problem?	<input type="checkbox"/> I make a lot of major mistakes or leave out important work. <input type="checkbox"/> I need a lot of help to get to a solution.	<input type="checkbox"/> I sometimes make mistakes or leave out parts of my solution. <input type="checkbox"/> I sometimes get a solution.	<input type="checkbox"/> I usually don't make major mistakes or leave out important parts of my solution. <input type="checkbox"/> I usually get to a solution.	<input type="checkbox"/> My solution is almost always error-free. <input type="checkbox"/> I almost always get to a solution.

Source: Toronto Catholic District School Board. (1999). *Mathematics Curriculum Planning Guide*.