

## Features of Quality – Students’ version

	Yet to meet expectations	In line with expectations	Above expectations	Exceptional
Defining the problem	<p>I have used a <b>given</b> statement</p> <p>With help I have broken down the problem into <b>steps</b></p>	<p>With some help, I have posed <b>my own</b> problem</p> <p>With some help, I have broken down the problem into steps and <b>made assumptions</b> if necessary</p>	<p>I have posed a problem and <b>simplified</b> it by making assumptions if necessary</p>	<p>I have posed a <b>concise</b> problem and simplified it by making <b>justified assumptions</b> where necessary</p>
Finding a strategy or translating the problem into mathematics	<p>I have <b>used</b> a <b>given</b> strategy</p>	<p>I have <b>chosen</b> an <b>appropriate</b> strategy</p>	<p>I have <b>justified</b> my chosen strategy and <b>identified</b> any variables used</p>	<p>I have developed and justified an <b>efficient</b> strategy</p> <p>I have <b>evaluated my progress</b> towards a solution</p>
Engaging with the mathematics to solve the problem	<p>I have followed some <b>basic</b> procedure</p> <p>I have <b>recorded</b> my observations</p>	<p>I have followed a <b>suitable</b> procedure, with minor errors</p> <p>I have recorded my observations <b>systematically</b></p> <p>I have used <b>graphs/diagrams/descriptions</b> to provide insight into the problem and/or solution</p>	<p>I have followed mathematical procedures</p> <p>I have used <b>accurate mathematical language, symbols and visual representations</b></p> <p>I have made an attempt to <b>generalise patterns</b> in my solution/observations</p>	<p>I have followed mathematical procedures with a <b>high level of precision</b> and I have <b>justified</b> my answers</p> <p>I have <b>generalised my solution/observations</b> and <b>extended them to other situations</b> where appropriate</p>
Interpreting and Reporting	<p>I have <b>commented</b> on my solution</p>	<p>I have <b>assessed</b> my solution and <b>made a connection</b> to the original question</p> <p>I have <b>communicated my ideas</b> clearly using everyday language</p>	<p>I have assessed my solution and <b>revisited my assumptions/strategy</b> to repeat the process if necessary</p> <p>I used <b>mathematical language</b> to communicate my ideas</p> <p>I identified what work well and <b>what could have been improved</b> in my investigation</p>	<p>I have used reasonable arguments and <b>precise mathematical language</b> and symbols to <b>justify</b> my decisions and solutions</p> <p>I have <b>identified the strengths and/or weaknesses</b> in my representations and solution</p>