

Question Number	Answer	Mark
2 (a)	<p>Method to ensure rubber band is level (1)</p> <p>Measure distance L with a metre rule [Accept Vernier calipers]</p> <p>Repeat for at least 5 different values of L</p> <p>Plot a graph of $\log P$ against $\log L$ to check it is a straight line (1)</p> <p>Any TWO from: (1)</p> <p>Ensure the ruler is vertical using the set square (1)</p> <p>Measure a number of cycles and divide by the number of cycles to get P (1)</p> <p>Repeat the measurement (of P) and calculate a mean (1)</p> <p>(1)</p> <p>(1)</p>	6
2 (b)	<p>It may be difficult to judge the exact moment the pendulum stops moving (1)</p> <p>Motion can be viewed more slowly so minimum can be found more reliably</p> <p>Or</p> <p>Motion can be viewed more slowly which reduces effect of reaction time (1)</p>	2
	Total for question 2	8