

Question Number	Answer	Mark
11	Use of $\omega = \frac{2\pi}{T}$	(1)
	Use of $v = \omega r$	(1)
	$v = 1.9 \text{ m s}^{-1}$	(1)
	<u>Example of calculation</u>	
	$\omega = \frac{2\pi}{\left(\frac{12 \text{ s}}{2}\right)} = 1.05 \text{ rad s}^{-1}$	
	$v = 1.05 \text{ rad s}^{-1} \times 1.8 \text{ m} = 1.89 \text{ m s}^{-1}$	
	<b>Total for question 11</b>	<b>3</b>