

2		$\frac{dn}{dt}$ $= -5000t^{-2}$ <p>At <math>t = 5</math>, <math>\frac{dn}{dt} = \frac{-5000}{25}</math> ISW</p> <p>(Rate of change of <math>n</math> is ) <math>-200</math></p>	<b>M1</b> <b>A1</b> <b>M1</b> <b>A1</b> <b>[4]</b>	<p>Attempt differentiate</p> <p>Substitute <math>t = 5</math> into their <math>\frac{dn}{dt}</math> which must include <math>t^{-2}</math></p>
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