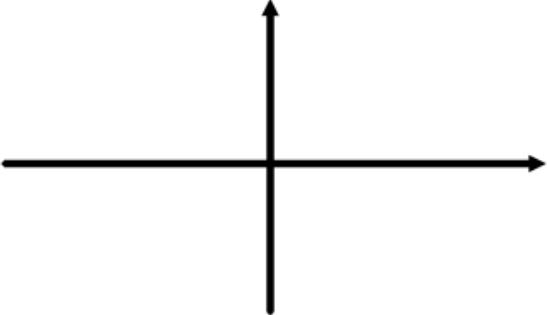


12th February	5-a-day	Core 1
<p>Richard saves money each week for a year.</p> <p>He saves 10p in the first week, 15p in the second week, 20p in the third week etc.</p>		<p>Find the total amount of savings over a year.</p>
<p>A is the point (2, 5) B is the point (8, 1)</p> <p>Find the length of AB.</p>		
<p>Sketch <math>y = (x + 2)(x + 5)^2</math></p> <p>Label all coordinates where the curve meets the coordinate axes.</p>		
$\int x^3 + 4x - 1 \, dx$		
<p><math>kx^2 - 12x + k = 5</math> has no real roots.</p> <p>Find the possible range of values of k.</p>		