


29th November	
<p>If</p> $f(x) = 4x^{2/3} - x^{-1}$ <p>find <math>f(8)</math></p>	 Corbettmaths
<p>Show <math>x^2 - 7x + 1 = 0</math> can be rearranged to the form</p> $x = 7 - \frac{1}{x}$	
<p>Use the iteration</p> $x_{n+1} = 7 - \frac{1}{x_n}$ <p>to find an approximation solution to <math>x^2 - 7x + 1 = 0</math></p>	<p>Start with</p> $x_1 = 1$
<p>A group of scientists want to estimate the number of eels in a lake. They catch and ring 200 eels. They return the 200 eels to the lake. They then catch 500 fish. Of these, 18 are ringed.</p>	<p>Estimate the number of eels in the lake.</p>
<p>The first 5 triangular numbers are</p> <p>1, 3, 6, 10, 15</p> <p>by considering the <math>n</math>th term, find the 100th triangular number</p>	