



29th November		Corbettmaths 
<p>If</p> $f(x) = 4x^{2/3} - x^{-1}$ <p>find $f(8)$</p>		
<p>Show $x^2 - 7x + 1 = 0$ 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 $x^2 - 7x + 1 = 0$</p>	<p>Start with</p> $x_1 = 1$	
<p>A group of scientists want to estimate the number of eels in a lake.</p> <p>They catch and ring 200 eels.</p> <p>They return the 200 eels to the lake.</p> <p>They then catch 500 fish.</p> <p>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 nth term, find the 100th triangular number</p>		

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