

Name: \_\_\_\_\_

February 12	5-a-day	Higher
<p>The population of country A is <math>4.5 \times 10^6</math></p> <p>The population of country B is <math>1.2 \times 10^7</math></p>		<p>Work out the difference between the population of country A and country B. Give your answer in standard form.</p>
<p>Twenty years ago, the population of country A was <math>3.8 \times 10^6</math>.</p> <p>Work out the percentage increase in population of country A over the past twenty years.</p>		
<p>A is directly proportional to the square of B.</p> <p>When <math>B = 10</math>, <math>A = 20</math>.</p> <p>Find A when <math>B = 20</math></p>		
<p>Write down the quadratic formula</p>		
<p>Express as a single fraction.</p> $\frac{2}{x+3} + \frac{3}{2x-1}$		