
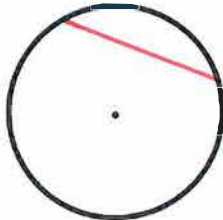




12th January	
<p>A ten sided dice, numbered 1 to 10 is rolled.</p> <p>What is the probability of a 3?</p> $\frac{1}{10}$	<p>What is the probability of a number less than 4? <math>1, 2, 3</math></p> $\frac{3}{10}$ <p>What is the probability of a square number? <math>1, 4, 9</math></p> $\frac{3}{10}$
<p>Work out <math>3a + 2c</math> when <math>a = 4</math> and <math>c = -2</math></p> $(3 \times 4) + (2 \times -2)$ $= 12 + (-4)$ $= 12 - 4$ $= 8$	
<p>Max thinks of a number.</p> <p>He squares it. <math>x^2</math></p> <p>Then he adds 4. <math>x^2 + 4</math></p> <p>His answer is 53. <math>x^2 + 4 = 53</math></p>	<p>What was the number he thought of?</p> $x^2 + 4 = 53$ $x^2 = 53 - 4$ $x^2 = 49$ $x = 7$ <p>or <math>-7</math></p>
<p>Draw a radius on the circle.</p> 	<p>Draw a chord on the circle.</p> 
<p>Factorise</p> $3y + 15$ $3(y + 5)$	<p>Factorise</p> $a^2 + 3a$ $a(a + 3)$