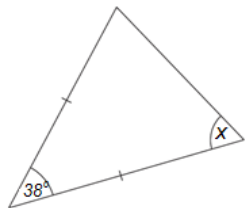


MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1>APRIL 2017</h1>					1	2
					<p>Three glasses of squash are made using cordial and water. The different mixtures are</p> <p><b>Glass A</b> cordial : water = 3 : 22</p> <p><b>Glass B</b> cordial = 1/8 of the total volume</p> <p><b>Glass C</b> Cordial = 12.75% of the total volume</p> <p>Which cup has the greatest proportion of cordial?</p>	
<p>Factorise fully</p> $y^2 + 27y$ $x^2 - 16$	<p>Work out the value of</p> $(6 \times 10^5) \div (3 \times 10^7)$	<p>Solve</p> $5x^2 = 80$	<p>What is the square root of 100 Million?</p>	<p>Simplify fully</p> $\frac{m^{1.5} \times m^{-5}}{m^3}$	<p>Rachael took a maths test. She scored 28 marks out of 40. David took an English test. He scored 32 marks out of 47. To get an "A" 70% must be achieved. Did either of them get an "A"?</p>	
<p>Mel says "when you square a number the answer will always be even". Is Mel correct? Justify your answer</p>	<p>Without a calculator or without doing the exact calculation, explain why the following is wrong: <math>3.8 \times 5.4 = 183.2</math></p>	<p>I invest £140 in account that pays compound interest of 5% per annum. How much interest will I earn in 5 years?</p>	<p>Write 64 as a product of its prime factors</p>	<p>What is the value of <math>n</math>?</p> $2^2 \times 2^n = 2^{-3}$	<p>Alfie has 20 sweets. Ben also has 20 sweets. Alfie gives Ben <math>x</math> sweets. Alfie then eats 5 of his sweets. Ben then eats half of his sweets. Write expressions for the number of sweets each of them has?</p>	
<p>Change 72 km/h into m/s.</p>	<p>180g of copper is mixed with 105g of zinc to make an alloy. The density of copper is <math>9 \text{ g/cm}^3</math> and the density of zinc is <math>7 \text{ g/cm}^3</math>. Work out the volume of copper used in the alloy.</p>	<p>Calculate:</p> $3\frac{3}{5} \div 2\frac{1}{7}$	<p>Expand and simplify</p> $(2x - 4)(x - 6)$ $7xy(2x - 3)$	<p>A number "x", is rounded to 8.4 correct to one decimal place. What is the error interval of x?</p>	<p>Solve the simultaneous equations</p> $4x + y = 25$ $x - 3y = 16$	
<p>Give an example to show that the sum of four consecutive integers is not always divisible by 4</p>	<p>x and y are whole numbers. <math>x &gt; 50</math> <math>y &lt; 40</math> Work out the smallest possible value of <math>x - y</math></p>	<p>The cost of a weekly train ticket increases by 12.5% to £225 How much did weekly train ticket cost before this increase?</p>	<p>There are 17 men and 22 women in a choir. One of the men and one of the women are going to be chosen sing the first song together. How many different pairs could be chosen?</p>	<p>Explain why 21 is not a term in the sequence <math>3n + 5</math>.</p>	<p>Giving reasons, calculate "x"</p> 	

REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!