

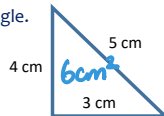



A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1>MARCH '18</h1> 			<p>1 What number is halfway between -4 and 11?</p> <p>3.5</p>	<p>2 Convert the below fraction to a %</p> <p>$\frac{3}{8}$ 37.5%</p>	<p>3 How many numbers less than 100 can you list that are "one less than a square number"?</p> <p>9 squares $\rightarrow 1, 4, 9, 16, 25, 36, 49, 64, 100$ 1 less than a square = 0, 3, 8, 15, 24, 35, 48, 63, 99</p> 	<p>4</p>
<p>5 The hypotenuse of a right-angled triangle is 13 cm long. One of the other sides is 5 cm. How long is the third side?</p> <p>12cm</p>	<p>6 I have 6 red pens, 4 blue pens and 3 green pens. What fraction of the pens are green?</p> <p>$\frac{3}{13}$</p>	<p>7 What is the value of:</p> <p>$(\sqrt{3})^2$ 3</p>	<p>8 Without a calculator work out</p> <p>$\pounds 2.37 \times 12$</p> <p>$\pounds 28.44$</p>	<p>9 Without a calculator</p> <p>$\frac{3}{5} \times 420$ 252</p>	<p>10 The dimensions of a fish tank are 50 cm by 32 cm by 20 cm.</p> <p>32000cm^3</p> <p>11 The tank is three quarters full with water. How much water is in the tank?</p> <p>24000cm^3</p>	
<p>12 What's the <u>smallest even</u> number that can be used with the following digits?</p> <p>5 4 8 3</p> <p>34</p>	<p>13 Simplify</p> <p>$2x^2 + 2x^2$ $4x^2$</p> <p>$m \times m \times m + p + p$</p> <p>$m^3 + 2p$</p>	<p>14 Estimate</p> <p>$\frac{10 \times 8}{8.6 \times \sqrt{64.99}}$ $\frac{80}{16}$</p> <p>$\frac{4.34 \times 4.1}{4 \times 4}$ $= 5$</p>	<p>15 True or False?</p> <p>22 is a factor of 11</p> <p>False, it's a multiple of 11</p>	<p>16 19 Given</p> <p>2 gallons = 9 litres</p> <p>how many litres in 19 gallons?</p> <p>85.5 litres</p>	<p>17 A sequence of numbers is given as</p> <p>2 7 12 17 22</p> <p>Find the nth term of the sequence.</p> <p>18 Explain how you know 876 is not in the sequence.</p> <p>doesn't end in a square</p>	
<p>19 Write 1111 in standard form</p> <p>1.111×10^3</p>	<p>20 Write $\pounds 16 : 80p$: $\pounds 2.40$ in its simplest form</p> <p>$1600 : 80 : 2400$</p> <p>$20 : 1 : 3$</p>	<p>21 How many faces does a square based pyramid have?</p> <p>5</p>	<p>22 Calculate:</p> <p>$\frac{3}{4} \div \frac{4}{5}$ $\frac{3 \times 5}{4 \times 4}$</p> <p>$= \frac{15}{16}$</p>	<p>23 Calculate the area of the triangle.</p> 	<p>24 $\frac{3}{5}$ of a number is 45.</p> <p>75</p> <p>25 What is $\frac{1}{3}$ of the number? = 25</p>	
<p>26 Write down the value of 32^0?</p> <p>= 1</p>	<p>27 Solve</p> <p>$5x - 2 > 6 + 3x$</p> <p>$2x = 8$</p> <p>$x = 4$</p>	<p>28 What is the value of n?</p> <p>$5^n \times 5^4 = 5^8$</p> <p>$n = 4$</p>	<p>29 Al, Bob and Cath share some money in the ratio 1:3:5. If Bob received $\pounds 75$ how much did they share?</p> <p>$\pounds 225$</p>	<p>30 A circle with a diameter of 10cm is split into quarters. Calculate the area of one quarter?</p> <p>$A = \frac{1}{4} \pi r^2 = 19.63\text{cm}^2$ (2dp)</p> <p>3.2×10^7</p> 	<p>31 REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</p>	