





A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1 style="margin: 0;">DECEMBER '17</h1>					<p style="text-align: right; margin: 0;">1</p> <p>250g of cheese costs £3.60, how much will 350g cost?</p>	<p style="text-align: right; margin: 0;">2</p> <p style="text-align: right; margin: 0;">3</p> <p>Laura has a box of mince pies. She gives half of them to Julia. Julia eats three of her pies and then has 5 left. How many mince pies did Laura have in the box?</p> 
<p style="text-align: right; margin: 0;">4</p> <p>What is 25^0?</p>	<p style="text-align: right; margin: 0;">5</p> <p>If you were given all the gifts in the "12 days of Christmas" how many would you have in total?</p>	<p style="text-align: right; margin: 0;">6</p> <p>Maddies present is in the shape of cuboid with dimensions 30 cm, 25 cm and 15 cm. What is the volume of her present?</p>	<p style="text-align: right; margin: 0;">7</p> <p>Santa leaves home at 11:58pm and is out for 6 hours 36 minutes. What time does he return home?</p>	<p style="text-align: right; margin: 0;">8</p> <p>What is the probability of rolling 2 sixes at the start of a family game of monopoly?</p>	<p style="text-align: right; margin: 0;">9</p> <p style="text-align: right; margin: 0;">10</p> <p>Christian and Helen are decorating a Christmas tree. Christian removed half of the decorations from the storage box - Helen then took half of the remaining decorations from the box and there were 3 decorations left. How many decorations are there altogether?</p>	
<p style="text-align: right; margin: 0;">11</p> <p>It is estimated that Santa travels 510,000 km. What is this distance written in standard form?</p>	<p style="text-align: right; margin: 0;">12</p> <p>There are 7 people eating lunch. If each person shares a Christmas cracker with EVERY other person, how many crackers are required?</p>	<p style="text-align: right; margin: 0;">13</p> <p>By rounding estimate the answer to the below:</p> $\sqrt[3]{\frac{785 \times 2.156}{0.19}}$	<p style="text-align: right; margin: 0;">14</p> <p>Santa's elves get paid £8.40 per hour for up to 10 hours work. Any time over this is paid at 1.25 the normal hourly rate. How much do they get paid for 12.5 hours?</p>	<p style="text-align: right; margin: 0;">15</p> <p>True or False? $a^4 \div a^{-4} = 1$</p>	<p style="text-align: right; margin: 0;">16</p> <p style="text-align: right; margin: 0;">17</p> <p>A box of nuts contains hazelnuts and walnuts. There are 30 walnuts and the probability of choosing a walnut from the box is 0.6. How many hazelnuts are in the box?</p>	
<p style="text-align: right; margin: 0;">18</p> <p>If a reindeer runs at 30 kph for 20 mins, what distance will the reindeer have travelled?</p>	<p style="text-align: right; margin: 0;">19</p> <p>Without a calculator, work out $25 \times 12 \times 2017$</p>	<p style="text-align: right; margin: 0;">20</p> <p>How many 'las' are after the 'fa' in the carol "Deck the Halls?</p>	<p style="text-align: right; margin: 0;">21</p> <p>The ratio of angles in a triangle is 2:3:5. Is the triangle right angled?</p>	<p style="text-align: right; margin: 0;">22</p> <p>A cracker has a volume of 14070 mm^3. What is the volume in cm^2?</p>	<p style="text-align: right; margin: 0;">23</p> <p style="text-align: center;">CHOCOLATE CAKE</p> <p>for 6 people 150 g flour 150 g sugar 120 g cocoa 3 eggs</p> 	<p style="text-align: right; margin: 0;">24</p> <p>Emma has: 8 eggs, 450 g flour, 380 g sugar, 300g cocoa What is the maximum number of people that she can make cake for?</p>
<p style="text-align: right; margin: 0;">25</p> <p style="text-align: center;">MERRY CHRISTMAS</p> 	<p style="text-align: right; margin: 0;">26</p> <p>Lois has 4 more chocolates than Rob but Matt has twice as many chocolates as Lois. There are 60 chocolates altogether - how many do they each have?</p>	<p style="text-align: right; margin: 0;">27</p> <p>How many days are there between Christmas day and Feb 1st 2018?</p>	<p style="text-align: right; margin: 0;">28</p> <p>If it takes 3 people 8 hours to wrap a load of presents, how long will it take 8 people to wrap the same presents?</p>	<p style="text-align: right; margin: 0;">29</p> <p>Cake A is 60% of the size of cake B. Cake B is 40% of the size of cake C. What percentage of cake C is cake A?</p>	<p style="text-align: right; margin: 0;">30</p> <p style="text-align: right; margin: 0;">31</p> <p>A New Years Eve drink is made using pineapple juice and pink lemonade in the ratio 3:5. Pineapple juice costs £1.20 per litre and pink lemonade costs £1.60 per litre. What is the cost of 15 litres of the drink?</p>	

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