



## A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY												
<h1 style="color: #00AEEF; margin: 0;">FEBRUARY '18</h1>			<div style="text-align: right; font-size: small; color: #00AEEF;">1</div> Write 72 as a product of its prime factors	<div style="text-align: right; font-size: small; color: #00AEEF;">2</div> Convert the below fraction to a %  $\frac{2}{5}$	<div style="text-align: right; font-size: small; color: #00AEEF;">3</div> <div style="text-align: right; font-size: small; color: #00AEEF;">4</div> A cube has a surface area of $36\text{cm}^2$ What is the volume of the cube? 													
<div style="text-align: right; font-size: small; color: #00AEEF;">5</div> I have 6 red pens, 4 blue pens and 3 green pens. What is the probability of choosing a green pen?	<div style="text-align: right; font-size: small; color: #00AEEF;">6</div> Share £360 in the ratio 1:3:5	<div style="text-align: right; font-size: small; color: #00AEEF;">7</div> Solve $2(4x - 4) = 4$	<div style="text-align: right; font-size: small; color: #00AEEF;">8</div> Without a calculator work out $537.4 \times 4.8$	<div style="text-align: right; font-size: small; color: #00AEEF;">9</div> Without a calculator  $\frac{3}{7} \times 420$	<div style="text-align: right; font-size: small; color: #00AEEF;">10</div> <div style="text-align: right; font-size: small; color: #00AEEF;">11</div> Alan, Bob and Carl play football. Alan has scored 8 more goals than Carl. Bob has scored 5 more goals than Alan. Altogether they have scored 72 goals. How many goals did they each score?													
<div style="text-align: right; font-size: small; color: #00AEEF;">12</div> If Emma travels 10 miles in 20 minutes how many miles will she do in 1 hour 30 minutes?	<div style="text-align: right; font-size: small; color: #00AEEF;">13</div> Factorise fully $5xy + 10y^2$  Expand $4(2m + 1)$	<div style="text-align: right; font-size: small; color: #00AEEF;">14</div> Solve $5x + 1 > x + 13$	<div style="text-align: right; font-size: small; color: #00AEEF;">15</div> Write $4.31 \times 10^{-3}$ as an ordinary number.	<div style="text-align: right; font-size: small; color: #00AEEF;">16</div> Solve by factorising. $x^2 + 8x + 15 = 0$	<div style="text-align: right; font-size: small; color: #00AEEF;">17</div> <div style="text-align: right; font-size: small; color: #00AEEF;">18</div> Complete this table for $y = 2x - 3$ . <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;">0</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">3</td> <td style="padding: 5px;">4</td> </tr> <tr> <td style="padding: 5px;">y</td> <td style="padding: 5px;">-3</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">1</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">5</td> </tr> </table>	x	0	1	2	3	4	y	-3		1		5	
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<div style="text-align: right; font-size: small; color: #00AEEF;">19</div> Without a calculator work out: $1160 \div 5$	<div style="text-align: right; font-size: small; color: #00AEEF;">20</div> Pete invests £500 at a rate of 1.5% per year compound interest. Find the value of the investment after 3 years.	<div style="text-align: right; font-size: small; color: #00AEEF;">21</div> A square has an area of $100\text{cm}^2$ . Find its perimeter.	<div style="text-align: right; font-size: small; color: #00AEEF;">22</div> Calculate:  $\frac{3}{4} + \frac{4}{5}$	<div style="text-align: right; font-size: small; color: #00AEEF;">23</div> The nth term of a sequence is given by $3n + 5$ . Explain why 21 is not a term in this sequence.	<div style="text-align: right; font-size: small; color: #00AEEF;">24</div> <div style="text-align: right; font-size: small; color: #00AEEF;">25</div> In a sale, normal prices are reduced by 20%. The normal price of a handbag is reduced by £15. Work out the normal price of the handbag.													
<div style="text-align: right; font-size: small; color: #00AEEF;">26</div> What is the Highest Common Factor of 18 and 22?	<div style="text-align: right; font-size: small; color: #00AEEF;">27</div> Estimate  $\frac{8.6 \times \sqrt{99.7}}{4.34 \times 4.1}$	<div style="text-align: right; font-size: small; color: #00AEEF;">28</div> A circle has a radius of 3cm. Work out the circumference of the circle.	<div style="text-align: center;"> <h2 style="color: #00AEEF; margin: 0;">REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</h2>  </div>															