

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<h1>JANUARY 2017</h1>						<p>1</p> <p>What is the nth term of the sequence?</p> <p>23 20 17 14</p>
<p>2</p> <p>Without a calculator, work out:</p> <p>142 x 87</p>	<p>3</p> <p>The angles in a triangle are in the ratio 1 : 2 : 3.</p> <p>Is this is right angled triangle? How can you prove it?</p>	<p>4</p> <p>Calculate:</p> <p>$\frac{2}{5}$ of 60</p>	<p>5</p> <p>Calculate</p> <p>$2 \times 10^{-2} \div 8 \times 10^{-3}$</p>	<p>6</p> <p>Estimate the value of</p> <p>$\frac{(4.34 \times 19.2)}{11.4}$</p>	<p>7</p> <p>Explain how you know line AB is a straight line</p> 	<p>8</p>
<p>9</p> <p>Which is larger?</p> <p>3.8×10^2 or 3800×10^{-2}</p>	<p>10</p> <p>Without a calculator, work out:</p> <p>0.2 x 0.03</p>	<p>11</p> <p>True or False? "When you multiply two prime numbers together the answer is always an odd number."</p>	<p>12</p> <p>Which of the following numbers are prime? 1 7 9 11 16</p>	<p>13</p> <p>Work out</p> <p>$m^{0.5} \times m^{4.2}$</p>	<p>14</p> <p>A car uses 1 litre of fuel for every 15 miles it travels. How many litres are used to travel 180 miles?</p>	<p>15</p>
<p>16</p> <p>Simplify</p> <p>$5a - (2a + 6)$</p>	<p>17</p> <p>Put brackets in this calculation to make it correct.</p> <p>$5 - 3 \times 12 \div 4 = 6$</p>	<p>18</p> <p>Simplify</p> <p>$(t^{-3})^2$</p>	<p>19</p> <p>What is the square root of 100 million?</p>	<p>20</p> <p>A square has an area of 64cm^2 What is its perimeter?</p>	<p>21</p> <p>There are 540 students in a school. 240 of the students are girls. 15% of the boys are older than 16. How many boys are over 16 years of age?</p>	<p>22</p>
<p>23</p> <p>Expand & simplify</p> <p>$(x - 1)(x - 5)$</p>	<p>24</p> <p>Find the HCF of 12 and 22</p>	<p>25</p> <p>Calculate:</p> <p>$\frac{2}{3} - \frac{5}{8}$</p>	<p>26</p> <p>How many 4-digit numbers less than 8000 can be made using the below cards:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">2</div> <div style="border: 1px solid black; padding: 2px 5px;">4</div> <div style="border: 1px solid black; padding: 2px 5px;">5</div> <div style="border: 1px solid black; padding: 2px 5px;">8</div> </div>	<p>27</p> <p>Write the ratio in its simplest form</p> <p>8 : 24</p>	<p>28</p> <p>Julia buys a car for £7500 and pays a deposit of £1875. She pays the rest in 36 equal monthly payments. Work out the amount of each monthly payment</p>	<p>29</p>
<p>30</p> <p>Write 504 as a product of powers of its prime factors.</p>	<p>31</p> <p>Work out</p> <p>3×-7</p> <p>$3 + (2 \times 7)$</p>	<p>REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</p>				