

October – Upper Key Stage 2 – Maths - Problem a Day

<p>Have a go at each of the questions for. Can you draw your working out? Can you show it using a written method? Can you talk to someone about how you worked out your answers?</p>			<p>1 What is the value of each of the digits in 160.053?</p>	<p>2 What is 603,598 rounded to the nearest 10, 100 and 000?</p>	<p>3 Which number is larger: 2545 or 2455? Describe how you know.</p>	<p>4 What time is 20:57 in words? Can you draw it on a clock face?</p>
<p>5 What is 20×23? Can you work it out 3 different ways?</p>	<p>6 What's missing in this sequence: 5, 3, 1, ____, How do you know?</p>	<p>7 What are the properties of a square based pyramid? Can you accurately draw one?</p>	<p>8 What is today's date in Roman Numerals? What was yesterday's date?</p>	<p>9 What is the total of 3506, 509, 63 and 796?</p>	<p>10 Calculate 6×40. What related facts can you come up with using this calculation?</p>	<p>11 If $a=1$, $b=2\dots$ $z=26$. What is the value of your name?</p>
<p>12 What is $650 + 1000$? How did you find the answer?</p>	<p>13 Draw a triangle. Describe the angles using mathematical vocabulary.</p>	<p>14 Put these numbers in ascending order: 5698, 9685, 5986, 6895 and 6598.</p>	<p>15 What is the difference between 16,089 and 3647?</p>	<p>16 If $8a = 40$. What is the value of a? What is the value of $10a$?</p>	<p>17 List all of the square numbers to 144. Find pairs which add to 100.</p>	<p>18 What are the factors of 60?</p>
<p>19 Five sixths of a number is 60, what was the number? How did you work it out?</p>	<p>20 What is the total of a half, three fifths and a third?</p>	<p>21 How many litres are the same as 4500ml? How do you know?</p>	<p>22 Write these decimals as fractions: 0.5, 0.78, 0.042 and 0.1.</p>	<p>23 Can you draw an angle of 50°? What do you call this kind of angle?</p>	<p>24 Is 4×7 the same as 2×14? Can you draw it?</p>	<p>25 Jake says, "25 has 4 factors." Do you agree? Why?</p>
<p>26 What is the product of 4, 5 and 10? What is the sum?</p>	<p>27 If $y = 0.3$, what is the value of z in '$30y = z$'?</p>	<p>28 What is the odd number out and why: 25, 64, 39, 100?</p>	<p>29 Which fraction is larger: $\frac{4}{5}$ or $\frac{9}{10}$? How do you know?</p>	<p>30 Double the following numbers: 65, 95, 167 and 693.</p>	<p>30 TRICKY QUESTION: How many hours do you spend in school in October?</p>	