

January Maths Masters

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<div> <div> <div>+</div><div>-</div> <div>×</div><div>=</div> </div> <p>Have a go at each of the questions for January. 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> </div>				<p>1 What is three quarters of 60? Can you draw it to help?</p>	<p>2 What is 157-92? Can you find 3 other pairs of numbers with the same difference?</p>	<p>3 What is today's date in Roman Numerals?</p>
<p>4 What is half of 138? Can you work it out in 2 ways?</p>	<p>5 What are the multiples of 9? What do you notice?</p>	<p>6 What is 1238 rounded to the nearest 10? Nearest 100?</p>	<p>7 List all the multiples of 6 between 20 and 80.</p>	<p>8 How many ways can you make £3.51? Are there more than 5 ways?</p>	<p>9 What is double 73? Can you work this out in two different ways?</p>	<p>10 What number is half way between 15 and 39? How did you work it out?</p>
<p>11 What is a multiple? What are the multiples of 7?</p>	<p>12 What's smaller: 315 or 351? How do you know?</p>	<p>13 Trevor says, "200-54 is 156". Do you agree? Why? Why not?</p>	<p>14 Partition the number 472 at least 5 different ways.</p>	<p>15 If I have £10 and I spent £4.16, then £1.98. How much did I spend? How much change should I get?</p>	<p>16 Can you draw 3 different pentagons? What is a pentagon?</p>	<p>17 Calculate 3×12. What other calculations give you the same answer?</p>
<p>18 Place these numbers on a 0-1 number line: 0.5, 0.36, 0.25, 0.09, 0.91, 0.8.</p>	<p>19 What is the difference between 1068 and 371?</p>	<p>20 What's shorter – 355cm or 3.5m? How do you know?</p>	<p>21 Draw the net of a cuboid and describe the faces.</p>	<p>22 What number is missing in the sequence? How do you know? 2, 4, 8, ____, 32.</p>	<p>23 What's the missing number in this calculation? $394 + \square = 1000$</p>	<p>24 Can you write a rule for all of the multiples of 5?</p>
<p>25 Multiply these numbers by 4: 8 13 19 21</p>	<p>26 What is 64 divided by 5? Do you get a whole number? Why? Why not?</p>	<p>27 Describe how to find the missing number in this calculation: $\square \times 5 = 250$</p>	<p>28 One third of a number is 15. What was the number? How do you know?</p>	<p>29 I left for a walk at 5:05pm and walked for 65 minutes. What time did I get home?</p>	<p>30 What is the total of 504, 638, 2015 and 7? Estimate first then calculate.</p>	<p>31 TRICKY QUESTION: Can a shape have the same area and perimeter?</p>