

# April Maths Masters

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Have a go at each of the questions for every day in April. 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?			1 What is the value of each of the digits in 502.38?	2 What is 603,598 rounded to the nearest 10, 100 and 1000?	3 What is 95% of these numbers: 120      60 30        90	4 What time is 18:27 in words? Can you draw it on a clock face?
5 What is $163 \times 17$ ? Can you work it out 3 different ways?	6 What is the rule for this sequence and what are the next 3 terms? 10, 7, 3, -2, __, __, __.	7 How do you find the area of a rectangle? Can you draw 3 rectangles with areas of $16\text{cm}^2$ ?	8 What is today's date in Roman Numerals? What was yesterday's date?	9 What is the largest product you can make with the digits 4 7 8 3 1?	10 Calculate $6 \times 15$ . What related facts can you also write?	11 If $a=1$ , $b=2\dots$ $z=26$ . What is the value of your school's name?
12 Write 4 calculations (+ - $\times$ $\div$ ) with the answer of 6.5.	13 Double the following numbers: 65, 95, 167 and 693.	14 Write 5 pairs of numbers with a product of 100.	15 What is the difference between 19805 and 3097?	16 If $8a + 5 = 101$ . What is $a$ ? How did you work it out?	17 What is the odd number out and why: 5, 9, 13 and 2?	18 Write different values to make this true. Think of at least 3! $a \times b = 1.2$
19 Five sixths of a number is £2.50, what was the number? How did you work it out?	20 Find half the following numbers: 984, 126, 51, 17 and 3.	21 How many litres are the same as 3900ml? How do you know?	22 Write these decimals as fractions: 0.3, 0.25, 0.75, 0.9 and 0.03.	23 Can you draw an angle of $150^\circ$ ? What do you call this kind of angle?	24 Write down as many facts as you know about angles.	25 Jake says, "Every prime number is off." Do you agree? Why?
26 What is the difference between the product and sum of 17 and 15?	27 If $y = 0.4$ , what is the value of $z$ in this equation: $z = 10y + 8y$ ?	28 Draw the net of a cube. Describe its properties using mathematical vocabulary.	29 Divide these numbers by 5: 3697 1508 8471	30 <b>TRICKY QUESTION:</b> How many minutes did you spend in school in April?		