

JULY MATHS MASTERS

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Have fun doing a Maths question a day!		1 If $3x = 255$ what is the value of x ? How did you work out the answer?	2 Partition 1345 in 3 different ways.	3 Put these numbers in ascending order: 1453, 3541, 1454, 1353, 3514.	4 What's missing in this sequence: 3, 7, 15, 31, _____. How do you know?	5 If $y = 0.7$, what is the value of x in ' $5y = x$ '?
6 What is 2020 in Roman Numerals?	7 What is the product of 1, 50 and 7? What does product mean?	8 What are the properties of a square based pyramid? Can you draw one?	9 Two thirds of a number is 102, what was the number?	10 What is 7,489 rounded to the nearest 10? Nearest 100?	11 Calculate $5 \times 18 - 6$.	12 Which number is smaller: 45731 or 45137? Describe how you know.
13 $19 + 6 \times 5 = 125$. Is this right? Why?	14 Describe the angles in a scalene and isosceles triangle.	15 What is 9×50 ? What other calculations give you the same answer?	16 What is $5.03 + 9 + 0.56$?	17 What time is 13:15 in words? Can you draw it on a clock face?	18 Is 0.5kg the same as 50g? How do you know?	19 List all the square numbers less than 100.
20 What is four and a third subtract three quarters?	21 Jake says, "The area of rectangles is always less than their perimeters." Do you agree? Why?	22 How many ml in 6.04 litres?	23 Which fraction is smaller: $\frac{1}{3}$ or $\frac{9}{12}$? How do you know?	24 Can you draw a regular and an irregular heptagon?	25 What is $(4 \times 7) - (3 \times 2)$?	26 What number is represented here: MMDLI?
27 What is the largest amount of money you can have with only 3 coins?	28 What is 765,551 rounded to the nearest 1000?	29 How does 34×10 help you calculate 3.4×10 ? What else can you work out?	30 What is half 964? Can you work it out 2 ways?	31 TRICKY QUESTION: How many hours in the month of July?	Challenge yourself to talk to the people at home and show off what you know!	