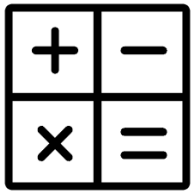
December Maths Masters

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	1 What are the multiples of 4? What do you notice?	2 What is half of 90? Can you work this out in two different ways?	3 What is the total of 165, 195, 605, 487? Estimate first then calculate.	4 What is three quarters of 100? Can you draw it to help?	5 What is a factor? What are the factors of 24?	6 What is the perimeter of a rectangle that measures 3m by 9m?
7 What is double 352? Can you work it out in 2 ways?	8 What is today's date in Roman Numerals?	9 What is 1068 rounded to the nearest 10? Nearest 100?	10 List all the multiples of 7 between 30 and 80.	11 How many ways can you make £1.98?	12 What is 189+37? What other sums can you write which give the same answer?	13 What is 97 – 38? How did you work it out?
14 Can you draw a cube and describe its properties using mathematical vocabulary?	15 What's smaller: 789 or 798? How do you know?	16 Trevor says, "£3.97 is the same as 3097p." Do you agree? Why? Why not?	17 What day of the week will it be in 15 days time?	18 If I have £10 and I spent £3.19, then £6.17. How much did I spend? How much change should I get?	19 Two thirds of a number is 26, what was the original number?	20 Calculate 5 x 12. Write other calculations with the same product.
21 Which number is bigger: 0.78 or 0.87? How do you know?	22 What is the difference between 397 and 105?	23 What's lighter – 3.2kg or 320g? How do you know?	24 Draw a number line from 0-1 and put these numbers on: 0.5, 0.3, 0.45, 0.98.	25 What number is missing in the sequence? How do you know? 7, 14, 21, ___, 35	26 How many hours are there until the end of the year?	27 Is 93 a multiple of 3? How do you know?
28 Can you draw ten past 5 on a clock face?	29 What is 37 divided by 5? Do you get a whole number? Why? Why not?	30 Describe how to find the missing number in this calculation: ☐ x 6 = 120	31 **TRICKY QUESTION:** How many days have you been in school since September?	Have a go at each of the questions for December. 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?		