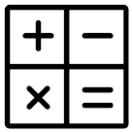
February Maths Masters

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
 Have a go at each of the questions for February. 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 Order these numbers: 0.215, 0.251, 0.125, 0.1. Explain how you did it.	2 Find the product of these pairs: 354 and 19 605 and 34 1508 and 9	3 What is the total of 65804, 6504, 6045 and 685? Estimate and then calculate.	4 Write 4 fractions which would simplify to 3/7. Explain what simplifying means.	5 What time is 05:41 in words? Can you draw it on a clock face?	6 Find different 3D shapes and describe their properties.	7 Write 5 pairs of numbers with a difference of 11 (include negative numbers).
8 Can you partition the number 1538 5 different ways?	9 What is 35% of these numbers: 400 65 350 72 680 18	10 Can you draw 3 different rectangles with a perimeter of 18cm?	11 Use long division to find 2590 ÷ 14.	12 What is 2/3 of each of these numbers: 690 510 186 366	13 Divide these numbers by 10, 100 and 1000. 568 369 701 307	14 I got on the bus at 3:47pm. My journey takes 190 minutes. What time do I get off?
15 What do these numbers have in common? 65, 95, 35, 15.	16 Pencils costs 6p. Pens cost triple that. How much would 4 pencils and 6 pens cost?	17 What are the multiples of 60? Can you list them all?	18 Draw 3 different triangles with an area of 24cm².	19 Write facts you know about the different types of triangle. Can you draw them?	20 What is today's date in Roman Numerals? What about tomorrow?	21 985 x 6 = 5910. Describe how this helps you work out 985 x 9.
22 What is the total of 3/4, 1/5 and 1/2? Can you draw it and explain your method?	23 How do you find 65% of a number? Can you show me two different methods?	24 What is the volume of a cube whose sides measure 6cm? How do you know?	25 Jake chose a number. He doubled it and then added 8. He divided by 5 and got 6. What was his number?	26 How many different ways can you make £1.03? Are there more than 8 ways?	27 Multiply each of these fractions by 6: 1/3 2/7 3/5 1/7	28 **TRICKY QUESTION:** 960 marbles are put into 15 bags. Jake says, "In 5 bags there are 300 marbles." Is this true or false? How do you know?