January Maths Masters

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
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?				1 What is the product of 2/8 and 4? Can you draw your working out?	2 Write these decimals in words and as fractions: 0.08 0.9 0.58 0.6	3 What is the sum of 3/5 and 3/8? How do you know?
4 Write 4 equivalent fractions to 5/9.	5 Put these fractions on a 0-1 number line: 1/10 2/5 1/8 4/5 1/100	6 What is the total of 3508, 6308, 1005 and 903? Estimate and then calculate.	7 What is 359 x 13? 359 x 14? 359 x 15? How did you work them out?	8 Write 5 pairs of numbers with a difference of 35.	9 Draw the net of a cube. Describe its properties using mathematical vocabulary.	10 651 x 5 = 3255. Describe how this helps you work out 651 x 7.
11 What is the difference between 16849 and 13568?	12 What is 15% of these numbers: 600 350 51 85 92 30	13 Can two rectangles have the same area but different perimeters?	14 Order these numbers: 0.015, 0.051, 0.51, 0.15. Explain how you did it.	15 If 3p x 3 = 135, what is the value of p? What is the value of 4p?	16 Divide these numbers by 13: 3198, 884, 741, 3731.	17 What time is 19:53 in words? Can you draw it on a clock face?
18 How many grams are the same as 6.03kg? How do you know?	19 What's bigger 10%, 1/5 or 0.15? How do you know?	20 What are the multiples of 36? Can you list them all?	21 Simplify these fractions: 16/42 15/60 6/24	22 What are the properties of quadrilaterals? Can you draw 3 examples?	23 If I left home at 4:37 and spent 135 minutes on a walk, what time did I get home?	24 Find the product of these pairs: 417 and 17 194 and 94 143 and 43
25 Two oranges and a lemon cost 50p. Three oranges and a lemon cost 67p. How much do the lemon and orange cost?	26 How do you find 35% of a number? Can you show me the method?	27 What is the area of a triangle which has a base of 5cm and a height of 7cm?	28 What is the odd number out and why: 55, 33, 11, 44?	29 Jake chose a number. He added 35. Then divided by 4. Then added 12. His answer was got 25. What was his number?	30 What is the volume of a cuboid which measures 3cm by 7 cm by 8cm? How do you know?	31 **TRICKY QUESTION:** How many minutes have you attended school this year?