September Maths Masters (A)

Welcome back!!	1 Which fraction is smaller: 1/3 or 9/12? How do you know?	2 If 2p = 150 what is the value of p? What is the value of 10p?	3 Partition 654 in 3 different ways.	4 What is 543,847 rounded to the nearest 1000?	5 Which number is larger: 1387 or 1378? Describe how you know.	6 What is 8 x 30? What other calculations give you the same answer?
7 What's missing in this sequence: 10, 7, 4, 1, ___ . How do you know?	8 What is the product of 1, 50 and 0? What does product mean?	9 What are the properties of a cube? Can you draw one?	10 What is 2021 in Roman Numerals?	11 What is the total of 3649, 485 and 974?	12 Calculate 5 x 18. Can you work it out 2 different ways?	13 What is 3.4 x 10? How did you find the answer?
14 What is the difference between 10589 and 3489	15 Is 6.3kg the same as 6300g? How do you know?	16 Put these numbers in ascending order: 3498, 8934, 4398, 4983.	17 What is the value of each of the digits in 19.587?	18 What time is 16:40 in words? Can you draw it on a clock face?	19 Find the total of 648, 639 and 403? Estimate the answer then calculate it.	20 List all the prime numbers less than 50.
21 Two thirds of a number is 66, what was the number? How did you work it out?	22 Jake says, "A cube is the only shape with 6 faces." Do you agree? Why?	23 How many ml in 3.1 litres?	24 How many fifths are the same as 2? How did you work it out?	25 Can you draw a regular and an irregular hexagon?	26 What is (4 x 12) – (4 x 10)?	27 What is 16 x 12? Can you work it out 2 different ways?
28 If you have 4 coins, what different totals can you have?	29 If y = 0.5, what is the value of z in '11y = z'?	30 **TRICKY QUESTION:** How many days since the beginning of the year?	Have a go at each of the questions for every day in September. 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?			