

October Maths Masters (B)

<p>Have a go at each of the questions for. 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?</p> <p style="text-align: right; font-size: small;">www.alittlebutalot.com</p>			1 What is the product of 9, 3 and 100? What is the sum?	2 Draw a hexagon. Describe the shape using mathematical vocabulary.	3 If $a=1$, $b=2\dots$ $z=26$. What is the value of your school name?	4 What time is 22:40 in words? Can you draw it on a clock face?
5 Can you draw an angle of 110° ? What do you call this kind of angle?	6 What is the total of a third, three fifths and a quarter?	7 Five sevenths of a number is 15, what was the number? How did you work it out?	8 Which fraction is larger: $\frac{2}{5}$ or $\frac{2}{7}$? How do you know?	9 What is $712 \div 100$? How did you find the answer?	10 Double the following numbers: 85, 96, 105, 48 and 138.	11 Which number is larger: 1987 or 1978? Describe how you know.
12 If $s = 0.7$, what is the value of z in ' $10s = z$ '?	13 Put these numbers in ascending order: 1289, 1982, 1928, 1298, 2198, 2189.	14 What is 195, 236 rounded to the nearest 10, 100 and 1000?	15 Jake says, "All the multiples of 3 are multiples of 6." Do you agree? Why?	16 If $5a = 40$. What is the value of a ? What is the value of $10a$?	17 List all of the square numbers to 144. Describe what a square number is.	18 What is the value of each of the digits in 58.96?
19 What is the odd number out and why: 13, 19, 17 and 25?	20 What's missing in this sequence: 2, 4, 8, _____. How do you know?	21 How many litres are the same as 3590ml? How do you know?	22 Write these decimals as fractions: 0.2, 0.5, 0.19 and 0.58.	23 What is 20×15 ? Can you work it out 3 different ways?	24 How many questions can you write which have a product of 60?	25 What is the difference between 58946 and 1684?
26 What are the factors of 24? What does factor mean?	27 What is the total of 2098, 126, 50 and 72?	28 What are the properties of a cone? Can you draw one and find some in your classroom?	29 What is today's date in Roman Numerals? What was yesterday's date?	30 Calculate 3×40 . What related facts can you come up with using this calculation?	30 TRICKY QUESTION: Can you work out how many hours there are until Christmas?	