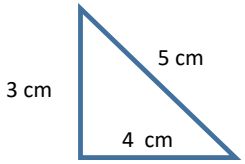
A LITTLE BIT OF MATHS EVERY DAY ...

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
MAY '18	1 What is the value of the digit "4" in 12.54?	2 Give an example of a number that has exactly two factors	3 $\frac{2}{5}$ of a number is 30. What is $\frac{3}{7}$ of the number?	4 Without a calculator Work out 172 x 34	5 Rob says that $(x-4)^2 = x^2 - 16$ Is is correct? Explain your answer	6
7 A triangle has sides of length 5 cm, 12cm and 13cm. Is it a right angled triangle?	8 What is the area of a circle with a diameter of 6cm?	9 Write 9:4 in the form 1:n	10 What is the surface area of a cube with side length of 0.6 metres?	11 Without a calculator $\frac{4}{9}$ *of* 360	12 Joanna has twin brothers. The combined age of joanna and her brothers is 57. In 3 years time her brothers will be 17. How old will joanna be in 3 years time?	13
14 What is the next term of the sequence? 5 8 14 23	15 Factorise: $2a^4b^3 + 8ab^4 - 4a^3b^2$ $a^2 + a - 12$	16 Estimate $\frac{9.68^2 \times \sqrt{16.32}}{12 \times 0.48}$	17 The population of a village decreased from 200 people to 120 people. What is the percentage decrease?	18 The ratio of number of green balls to red balls in a bag is 6:5 What fraction of the balls are red?	19 Show that 100 can be written as the sum of a power of two and a square number	20
21 What is 400,000 to the power of zero?	22 Put a pair of brackets in the following to make it correct: $2 \times 7^2 - 2 = 94$	23 How many edges does a square based pyramid have?	24 Which is larger? $\frac{3}{4}$ *or* $\frac{4}{3}$	25 Calculate the area  	26 The cost of a meal after a 15% discount is applied to the bill is £29.75 What was the price before the discount?	27
28 What is the size of an exterior angle of an octagon?	29 What are the next two terms of the sequence? a b a+b	30 Simplify $3y^2 \times 4y^3$	31 How much interest is earned if I invest £2500 in an account that pays 4% compound interestfor 3 years?	**REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!** 		