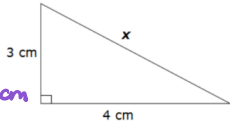
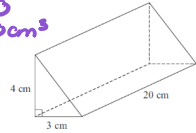


## A LITTLE BIT OF MATHS EVERY DAY ... (CROSSOVER)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
1	2	3	4	5	6	7
Work out: $\frac{2}{5} \times \frac{1}{3} = \frac{2}{15}$	Share 200 in the ratio 3:2 $120 : 80$	Work out (without a calculator) $125.2 \times 49$ $6134.8$	Simplify $4y + 2x - 3 + 3x + 8$ $4y + 5x + 5$	Work out 70% of 120 $84$	I buy a "thing" in a sale that has been reduced by 15%. The sale price is £102. What was the original price? $85\% = 102$ $1\% = 1.2$ $100\% = £120$	
8	9	10	11	12	13	14
Simplify $(2a^3)^3$ $8a^9$	Write $3.87 \times 10^{-4}$ as an ordinary number $0.000387$	Mel got 32 out of 80 on her maths exam. Write this as a percentage $40\%$	Simplify $\frac{m^2 \times m^5}{m^3} = m^4$	Expand $(x+2)(x-3)$ $x^2 - x - 6$	Calculate x $x^2 = 3^2 + 4^2$ $= 9 + 16$ $x = \sqrt{25} = 5 \text{ cm}$ 	
15	16	17	18	19	20	21
Work out 30% off £19 $£13.30$	Work out a) $0.4 \times 0.8 = 0.32$ b) $0.3 \times 0.2 = 0.06$	Work out $148 \times 11$ without a calculator $1628$	What is the median of these numbers? $3 \ 12 \ 9 \ 17 \ 3$ $15 \ 13 \ 13 \ 8 \ 5$ $10.5$	Write $3.45 \times 10^4$ as an ordinary number $34500$	A "thing" increases from £40 to £120. What is the percentage increase? $120 - 40 = 80$ $\frac{80}{40} \times 100 = 200\%$	
22	23	24	25	26	27	28
Factorise $4yx^3 - y^2x^2$ $yx^2(4x - y)$	$2.7 \times 10^3 = 2.7 \times 10^3$ Calculate $9 \times 10^4 \times 3 \times 10^3$ Give your answer in standard form.	Write 1104 as a product of its prime factors. $2^4 \times 3 \times 23$	Evaluate $3^3 + 5^2$ $27 + 25 = 52$	Simplify $(a^5)^{-2}$ $a^{-10}$	What is the volume of the prism? $6 \times 20 = 120 \text{ cm}^3$ 	
29	30	31	<h1 style="margin: 0;">APRIL 2019</h1> <p style="margin: 0; font-weight: bold;">REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!</p>			
What is the circumference of a circle with radius 5cm? diameter = 10 $C = 31.42 \text{ cm}$ (2dp)	What is the midpoint between (2,7) and (10,13)? (6,10)	What is $\frac{3}{25}$ of 50 $6$				