1st January	Numeracy 5-a-day	
Write the number 1804 in words. One thousand eight hundred and four		Corbettmaths

A carton of milk costs 57p	Find the cost of three cartons of milk. $\overset{2}{\underset{\ \ \ 171p}{\underline{\times\ \ \ 3}}}$ $\$1.71$

$120°$ $=360°$ $90°$ y	Find y $\underline{\begin{array}{r}120 \\ +\ 90 \\ 210\end{array}}$ $360 - 210 = 150°$

Sketch the net of a cube	

Calculate 50% of £3 ÷2 $\$1.50$	Calculate 10% of £7 ÷10 $\$0.70$ 07.00

Monday, 30 October 2023
Simplifying

Definition	Characteristics
Like terms have the same variables raised to the same exponents. The order of the variables does **not** matter.	We can combine like terms by adding or subtracting the <u>coefficients</u>. ↳ numbers in front of the variables ↳ $\underline{2}x$

LIKE TERMS

Examples	Non-Examples
$9xy$ and $-10yx$ 5 and -2 $4x^2$ and x^2	$18xy^2$ and $9yx^2$ $-8x$ and $2x^2$ $11xyz$ and $12xy$

LIKE TERMS:	Same variables
	Same exponents
	Order doesn't matter

✳ To combine like terms, add or subtract the coefficients and keep the variables/exponents the same.

✳ If the coefficient is missing, it is always a positive or negative one. Coefficients take the sign in front of them.

$$-2x + 3 - 4x + 5 - 4x^2 + 11 - 15x + 2x^2 - 15$$

$+2x^2$ $-4x^2$ | $-2x$ $-4x$ $-15x$ | $+5$ $+11$ -15 $+3$

$2 - 4$ | $-2 - 4 - 15$ | $5 + 11 + 3 - 15$

$= -2x^2$ | $= -21x$ | $= 4$

$$\boxed{-2x^2 - 21x + 4}$$