

POSTER: EXPLAINING THE STEPS

You will be making posters that DESCRIBE how to solve each step of an equation. For example:

$$4 - 7x = 18$$

$$\begin{array}{r} 4 - 7x = 18 \\ -4 \quad -4 \\ \hline -7x = 14 \end{array}$$

$$\begin{array}{r} -7x = 14 \\ \hline -7 \quad -7 \end{array}$$

$$x = -2$$

First: You must subtract 4 on both sides because the opposite of adding 4 is subtracting 4

Second: You divide by -7 because the opposite of a multiply by -7 is to divide by -7

Finally: Our answer is -2

In groups of two you need to pick ONE problem from EACH COLUMN to solve and describe and place on your poster.

$-1 + 2x = -9$	$\frac{b+3}{6} = 1$	$-7 + \frac{x}{2} = -19$	$9(-2 + x) = 198$
$89 = -3 + 4n$	$\frac{r-1}{7} = -2$	$\frac{a}{2} + 12 = 19$	$3(n+4) = -45$
$12n - 4 = -112$	$-13 = \frac{m-5}{2}$	$13 = \frac{v}{21} + 12$	$7(m-2) = -14$
$122 = 10 + 7b$	$\frac{9+x}{18} = 1$	$7 + \frac{x}{2} = 0$	$176 = 11(8+m)$
$-3x + 10 = -35$	$1 = \frac{-10+n}{14}$	$\frac{x}{3} + 2 = 6$	$-8(v-8) = 112$

Use space below to work out your answers before placing them on your posters