

Equations - Reversing Operations Questions

The goal in solving an equation is to isolate the pronumeral on one side of the equation.
Set out your work as per the following examples:

<u>One Step Equation</u>	<u>Two Steps Equation</u>
$f + 9 = 20$	$4p + 5 = 25$
$f + 9 - 9 = 20 - 9$	$4p + 5 - 5 = 25 - 5$
$f = 11$	$4p = 20$
	$\frac{4p}{4} = \frac{20}{4}$
	$p = 5$

Your turn – using the set out above to rearrange your equations using inverse operations, find out what the pronumerals represent.

EASIER	MEDIUM	CHALLENGING
1/ $p + 7 = 10$	7/ $4p + 7 = 23$	13/ $4(p + 2) = 22$
2/ $p - 10 = 30$	8/ $p - 13 = -5$	14/ $6(p-1) = -19$
3/ $p + 5 = 23$	9/ $6p = -24$	15/ $2p + p = 20 - 5$
4/ $2p = 10$	10/ $2p - 4 = 3$	16/ $9p - 5 - 3p = 17$
5/ $\frac{p}{3} = 10$	11/ $\frac{p}{2} + 1 = 3$	
6/ $6p = 42$	12/ $4p + 15 = 27$	