Steps for solving equations:
1 Collect x terms on one side of equation.
2 Collect numbers on the other side.
3 Divide by the number in front of x.
   Remember to change signs when you move something over the = sign.

Exercise 1 - Simple Equations

1	$x + 8 = 12$	**2**	$11 - x = 5$
3	$x + 5 = 3$	**4**	$x - 7 = 5$
5	$3 - x = -5$	**6**	$3 - x = 7$
7	$x + 7 = 2$	**8**	$x - 1 = -9$
9	$x - 10 = 2$	**10**	$4 - x = -6$

Exercise 2 - Multiples of x
Divide both sides by the number in front of x.

1	$3x = 18$	**2**	$4x = 28$
3	$2x = 4$	**4**	$6x = 30$
5	$2x = 7$	**6**	$3x = 10$
7	$5x = 23$	**8**	$4x = 15$
9	$7x = -14$	**10**	$3x = -11$

Exercise 3
Remember to collect the numbers on the other side.

1	$3x + 6 = 18$	**2**	$4x + 5 = 26$
3	$2x - 3 = 7$	**4**	$6x - 12 = 20$
5	$3 + 4x = 27$	**6**	$7x + 15 = 8$
7	$3x - 6 = -17$	**8**	$5x - 1 = 3$
9	$8x + 6 = 6$	**10**	$12x + 1 = 40$

Exercise 4
More care is needed in this exercise as there are x terms and numbers on both sides.

1	$5x + 7 = 19 + 3x$	**2**	$8x + 5 = 2x + 29$
3	$7 + 3x = 17 + x$	**4**	$6x - 12 = 2x + 20$
5	$4x - 18 = x + 5$	**6**	$7x - 15 = 4x - 8$
7	$3x - 6 = 17 - 2x$	**8**	$5x - 1 = 3x$
9	$8x - 6 + 2x = 13 + 5x$	**10**	$7x - 9 = 3x - 45$