

Solving Equations – Balancing Method

whatever you do to one side you must do to the other

1) $3n = 9$ $\div 3 \quad \leftarrow \quad \rightarrow \quad \div 3$ $n =$	2) $4x = 12$ $\div 4 \quad \leftarrow \quad \rightarrow \quad \div 4$ $x =$	3) $4n = 48$ $\div 4 \quad \leftarrow \quad \rightarrow \quad \div 4$ $n =$
4) $y + 6 = 18$ $-6 \quad \leftarrow \quad \rightarrow \quad -6$ $y =$	5) $n - 2 = 10$ $+2 \quad \leftarrow \quad \rightarrow \quad +2$ $n =$	6) $w + 4 = 34$ $w =$
7) $3x = 21$ $x =$	8) $n - 6 = 15$ $n =$	9) $10y = 40$ $y =$
10) $18 + a = 19$ $a =$	11) $y + 6 = 14$ $y =$	12) $6n = 42$ $n =$
13) $n - 3 = 10$ $n =$	14) $x - 10 = 11$ $x =$	15) $7n = 21$ $n =$
16) $n + 5 = 35$ $n =$	17) $6n - 1 = 17$ $+1 \quad \leftarrow \quad \rightarrow \quad +1$ $6n = 18$ $\div 6 \quad \leftarrow \quad \rightarrow \quad \div 6$ $n =$	18) $3y = 12$ $y =$

19) $3n + 1 = 19$ $-1 \rightarrow 3n =$ $\div 3 \rightarrow n =$	20) $4n + 5 = 13$ $-5 \rightarrow 4n =$ $\div 4 \rightarrow n =$	21) $4n - 3 = 25$ $4n =$ $n =$
22) $2x + 6 = 18$ $2x =$ $x =$	23) $3x - 2 = 16$ $3x =$ $x =$	24) $5y + 4 = 34$ $5y =$ $y =$
25) $3y + 7 = 19$ $3y =$ $y =$	26) $5w - 6 = 14$ $5w =$ $w =$	27) $3a - 3 = 21$ $3a =$ $a =$
28) $3z + 2 = 17$ $3z =$ $z =$	29) $4x + 6 = 14$ $4x =$ $x =$	30) $6y + 5 = 41$ $6y =$ $y =$
31) $5a - 3 = 7$ $5a =$ $a =$	32) $3w - 4 = 11$ $3w =$ $w =$	33) $7x + 3 = 24$ $7x =$ $x =$