

Writing and Solving Linear Equations – W/C 11/05/2020

Task 3:

Work through these in your book. Show each step and keep the = lined up!
(I will send you the answers next week)

1) $3n + 4 = 19$ $n = 5$	2) $4n + 5 = 13$ $n = 2$	3) $4n - 3 = 25$ $n = 7$
4) $2n + 6 = 18$ $n = 6$	5) $3n - 2 = 16$ $n = 6$	6) $5n + 4 = 34$ $n = 6$
7) $3n + 7 = 19$ $n = 4$	8) $5n - 6 = 14$ $n = 4$	9) $3n - 3 = 21$ $n = 8$
10) $3n + 2 = 17$ $n = 5$	11) $4n + 6 = 14$ $n = 2$	12) $6n + 5 = 41$ $n = 6$
13) $5n - 3 = 7$ $n = 2$	14) $3n - 4 = 11$ $n = 5$	15) $7n + 3 = 24$ $n = 3$

Task 4: Are you ready for something a little more complicated?

Collect the n's on one side first and then proceed. A couple have been started for you.

1) $7n + 3 = 3n + 27$ $-3n \quad -3n$ $4n + 3 = 27$ $n = 6$	2) $7n + 5 = 5n + 25$ $-5n \quad -5n$ $2n + 5 = 25$ $n = 10$	3) $10n + 2 = 7n + 14$ $n = 4$
4) $5n + 4 = 2n + 22$ $n = 6$	5) $6n + 8 = 2n + 36$ $n = 7$	6) $7n - 3 = 4n + 12$ $n = 5$
7) $5n - 2 = n + 10$ $n = 3$	8) $9n - 7 = 5n + 13$ $n = 5$	9) $11n - 9 = 5n - 27$ $n = -3$
10) $5n - 10 = 3n - 50$ $n = -20$	11) $8n - 3 = 2n + 39$ $n = 7$	12) $9n + 7 = 6n - 29$ $n = -12$
13) $10n + 16 = 52 - 2n$ $+2n \quad +2n$ $n = 3$	14) $5n + 16 = n - 20$ $n = -9$	15) $3n - 7 = 8 - 2n$ $n = 3$

Task 5: Finally, can you please complete the assignment in mathswatch. There are several tricky questions to challenge those of you that are finding this straight forward. You will need to have completed all of the above before starting this.

Hint: Angles at a point add up to 360° (more on this next week, but you need to know this to answer one of the questions)

Also remember that you do not use a 'x' (times) in algebra.

e.g. If b is the cost of 1 book

The cost of 5 books is written as $5b$ (always put the number first!)

$5b$ means 5 multiplied by b or b multiplied by 5