

We have now covered what you need to know to do well at grade 8 Algebra.

Things you need to remember –

5 rules, negatives can be tricky, show all work, work downwards, you can check,

We still need to apply these skills to word problems, as that is where grade 9 / 10 takes you.

Converting sentences into math is tricky and a little frustrating at first.

It is the first place that students who have done well in the past, start to get a few wrong.

It is a skill you need to practice to be good at (like a backhand, even Sid the Kid had to develop his)

The more you work with them, the easier they become and the less they stress you out.

We will start with an example so you know what I am talking about

The difference between 4 and m is -2. (Simple but if you rush through you get a lot wrong)

Steps

- 1 Read question once, to get the general idea, I **underline** / **circle** key words.
- 2 Reread and make equation.
- 3 Please take a second to recheck, if it is wrong, everything is just time wasted
If your walking home and you turn the wrong way, don't keep going for 20 minutes.
- 4 Now solve, you know what to watch for.
- 5 Check your answer mentally or on paper.
- 6 Write a sentence answer.

So our example is $4 - m = -2$ (with difference the first one comes first some put $m - 4$)

Now you can solve, that's tomorrows assignment

Please write down the key words that can be used in each operation.

<u>Add</u>	<u>Subtract</u>	<u>Multiply</u>	<u>Divide</u>
Plus	minus	times	divided into / by
Sum	difference	product	quotient
And	less than	per	Per (km / h)
More than	fewer	doubled	Split into
Altogether	decreased by	tripled	shared
More than	below	½ of a #	distributed
Total	reduced by		

Increased by

The word we for **equals = is or makes**

Please know these as they are most common of the terms used, there are many more

I would like you to make a sentence for two of each operation using m , -3 and 6 in each question

Please pick the 2 you do not regularly use

Do not say m plus negative three is six (too easy)

Then you need to solve the worksheet “ Why doesn’t an elephant smoke “ labelled “Sentences”

I’ll do the first one (here’s what I expect for each question)

Question N 5 more than 2 times a number

You write N $2n + 5$

Tomorrow we will do more word problems