

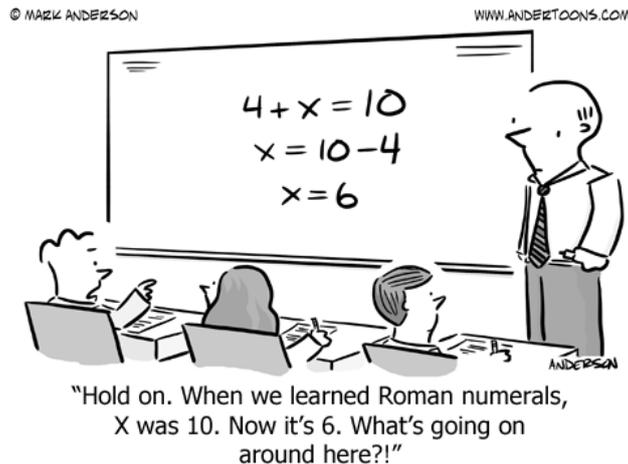
## Year 9 sets 2a and 2b w/c Monday 11<sup>th</sup> May

Dear all,

I hope you are all staying happy and healthy.

I hope you enjoyed revising and learning about ROUNDING last week. I was really pleased with the results from most of you, especially on the significant figures rounding which may have been a new skill for some of you- well done!

This week we are going to focus on **equations** 😊 You did a lot of work on writing and solving equations in the Autumn term but this area is so vital to success at GCSE so I would like you revise and extend your understanding this week. All 3 Mathswatch tasks are due by Sunday 17<sup>th</sup> May please.



### Session 1:

I would like you to complete the Mathswatch assignment on **Solving equations with flow diagrams**. Many students find this method really useful as it allows them to understand what is happening to the unknown variable and how to work backwards to find its value. There is a linked video to help you if you need it.

### Session 2:

The flow diagram method can be used when you have unknowns on both sides, so now that you have revised the basics of solving equations, please tackle the second Mathswatch assignment: **Solving equations using the balancing method**. This task involves equations with fractions, brackets and unknowns on both sides. We have learnt about all of these types of equations before so your class notes may come in handy, as will the linked video.

### Session 3:

A very common way for your understanding to be tested on a GCSE paper involves questions that require you to form/write your own equation before solving it. This type of question often involves other areas of understanding such as angle facts. Again, we looked at this skill in the Autumn but I would like you to work through a 3<sup>rd</sup> Mathswatch assignment to check your understanding: **Forming formulae and equations**. I would highly recommend watching the linked video first.

Remember that you must try to keep up as much as possible; when we return (soon hopefully!), we will need to continue with your GCSE course. Consequently, you need to **catch up** with any tasks from previous weeks that are still outstanding. Remember I am here to help so just get in touch if you need support!

**Extension work:**

Take another look at some common mistakes that students make in various topics. This is a great way to highlight any misunderstanding that you may have accidentally picked up when learning these topics. Have a go at this new challenge: <https://www.youtube.com/watch?v=4xTV3YBgev0&list=PL7BJ-1MkmUZ98qsBN4sH4ssK7c4YK0Qrl&index=3>

Very best wishes to you all, Mrs Todd ☺