

# The Wonderful World Of Maths @ Crossley Heath

# A MESSAGE FROM THE MATHS DEPARTMENT...?

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Every new cohort of Year 7 students at Crossley Heath have a proven ability in Mathematics. As a department we see it as our responsibility to ensure that these students are stretched to reach their full potential, whilst accepting that all of our students have a varied background and very different foundations in their mathematical understanding.

# WHAT CAN YOU EXPECT TO DO AND LEARN IN YOUR MATHS LESSONS...?

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- We have a varied curriculum that reviews and develops the students' prior understanding of Number, Geometry, Statistics and Ratio whilst also incorporating new disciplines such as Algebra. These skills are developed through varied lessons which will entail a mixture of traditional teaching methods, grouped and paired work as well as open ended problems in which the students design investigations to make their own personal discoveries...
- On the next few slides we have listed some of the topics that you will be covering in Year 7. We have also provided website links to explore should you be eager to have a go! There are some entertaining and interesting videos along with a few Maths related games...
- We look forwards to meeting you in September and doing some great Maths...





# AUTUMN TERM TOPICS

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## Number

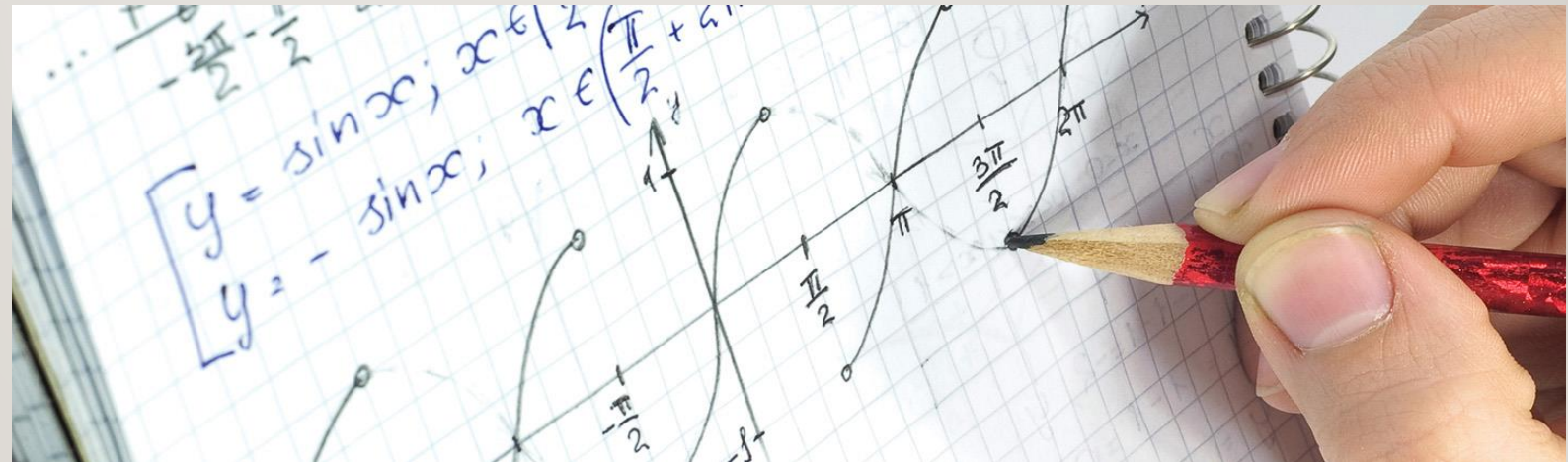
- Order Of Operations
- Types Of Number
- Factors And Multiples
- Approximation
- Rounding
- Decimals
- Fractions
- Percentages
- Standard Form

## Ratio

- Sharing Within A Ratio
- Proportion Problems
- Unitary Method

## Algebra

- Number Patterns
- Manipulating Expressions
- Solving Linear Equations
- Rearranging Equations



# USEFUL WEBSITE LINKS

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**Mymaths** - <https://www.mymaths.co.uk/>

- If you login with the User: crossley and Password: square
- You can research any topics you may have seen above that you would like to find more about. They also have a series of mathematics based games. When it asks for your individual username just click 'practice'

**Ancient Greek Geometry Game** - <https://sciencevsmagic.net/geo/>

- Using just circles and straight lines, can you construct all of the shapes?

**Hexaflexagons** - <https://www.youtube.com/playlist?list=PLaNzoFtkQ7rbt5ac9qdi76iNkuqZWQkB3>

- This playlist will introduce you to an interesting thing you can fold out of strips of paper with interesting mathematical properties!