

Watch the video below about magic squares.
<https://www.youtube.com/watch?v=gGvyeuDT2Do>

Now open Powerpoint 1 – An intro into magic squares where you will find a guided reading activity for you to complete about the history of magic squares.

Make a Magic Square

Click on the link below to find an interactive game, where you can make your own magic square. Take a screen shot of your answers to show your teacher.

https://www.transum.org/software/SW/magic_square/magic_square.asp?Level=1

Can you get all the way to Level 7?

Complete a Magic Square

Open **Worksheet 2 – Completing a magic square.** and complete as many of the magic squares as you can.

Can you complete the 7 by 7 magic square?

Open **worksheet 2b** –magic squares with negative numbers.



Magic Squares – Substitution

In these squares, you need to substitute values for each letter and work out the magic number

Follow the instructions on either:
Worksheet 3c Substitution with easier fractions
Worksheet 3d Substitution with harder fractions

An algebraic Magic Square

Fill in the gaps on your grids. Make it magic...

$p + 3q + r$		
	$p + 2q + r$	
$p + 2q$		$p + q + r$

Follow the instructions on **worksheet 4b** and complete another magic square.

Magic Squares of Squares

Follow the instructions on **Worksheet 5b.**

Page 1 - You will need to substitute and evaluate a negative number – be careful and use your calculator. There are a couple of answers already provided – make sure you know how to get those answers before you try the rest.

What do you notice?

Page 2 – challenge – you need to think!! Work backwards to find the value of k



