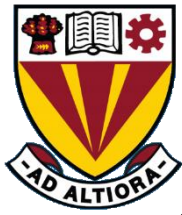
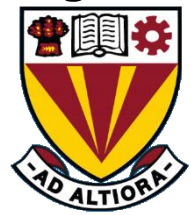


Scroll down for solutions to last challenge



Maths Challenge

Mon 20th Feb - Fri 3rd March



(Almost) The Olympic Rings

Use each of the numbers 1 to 5 once.

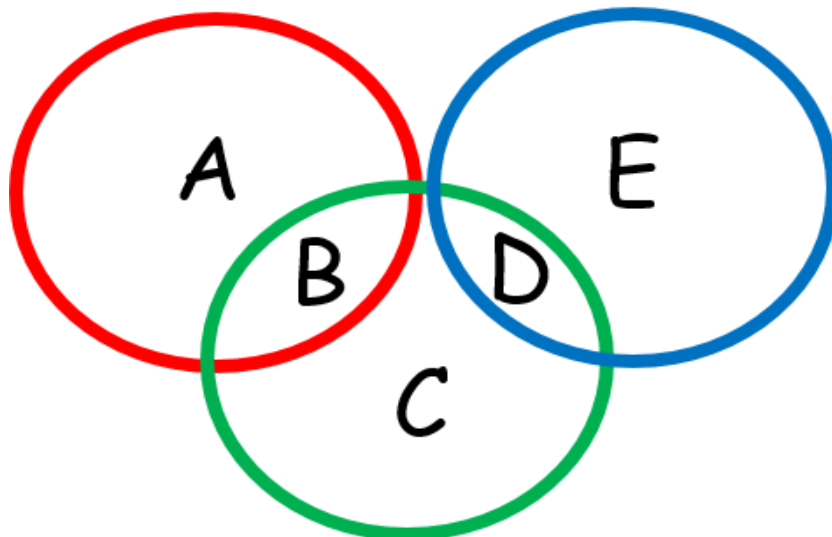
1 2 3 4 5

Replace each letter A-E with one of the digits so that the total in each circle (red, green, blue) is the same.

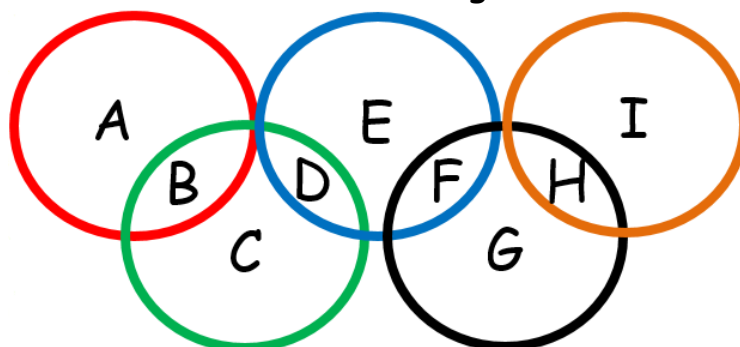
$$\text{Red} = A+B$$

$$\text{Green} = B+C+D$$

$$\text{Blue} = D+E$$



Want a bigger challenge? Try doing the same using the numbers 1 to 9 with 5 rings:



Two possible solutions to the last challenge (there are many more!)

Solution 1

As well as having odd numbers of counters in each row, column and diagonal (as required) what other mathematical property does this solution also have?

	●	●	●	
	●	●	●	
		●		
●	●	●	●	●
		●		

Solution 2

This (very elegant!) solution has TWO (related) mathematical properties! What are they?

●		●		●
		●		
●	●	●	●	●
		●		
●		●		●