

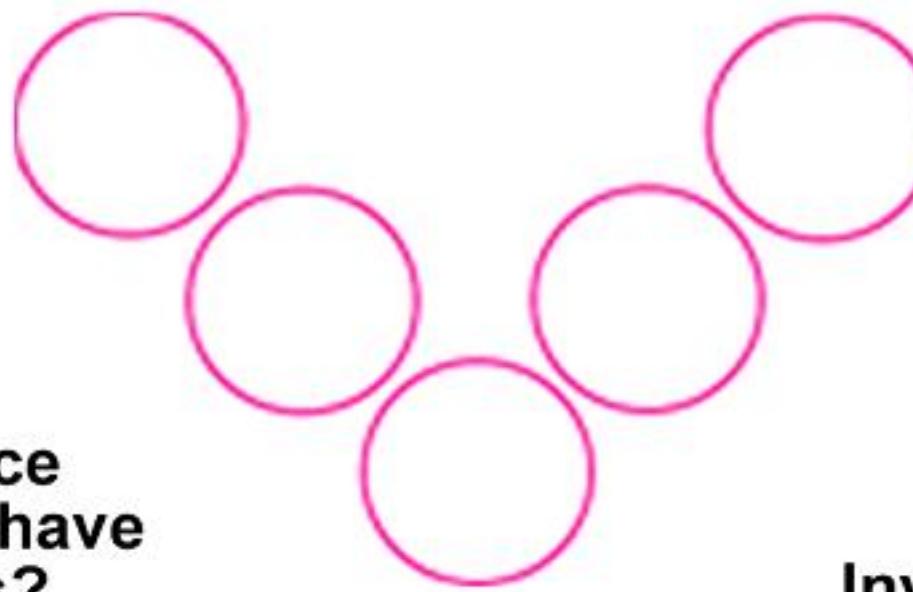
# Magic Vs



**Place each of the numbers 1 to 5 in the V shape so that the two arms of the V have the same total.**

**How many different possibilities are there?**

**Can you convince someone that you have all the solutions?**



**What happens if we use the numbers from 2 to 6? From 12 to 16? From 37 to 41? From 103 to 107?**

**Investigate the same problem with a V that has arms of length 4.**

Thousands more problems can be found on the NRICH Maths website:

<http://nrich.maths.org>