Mathematics

Exploring systems of equations Independent Task

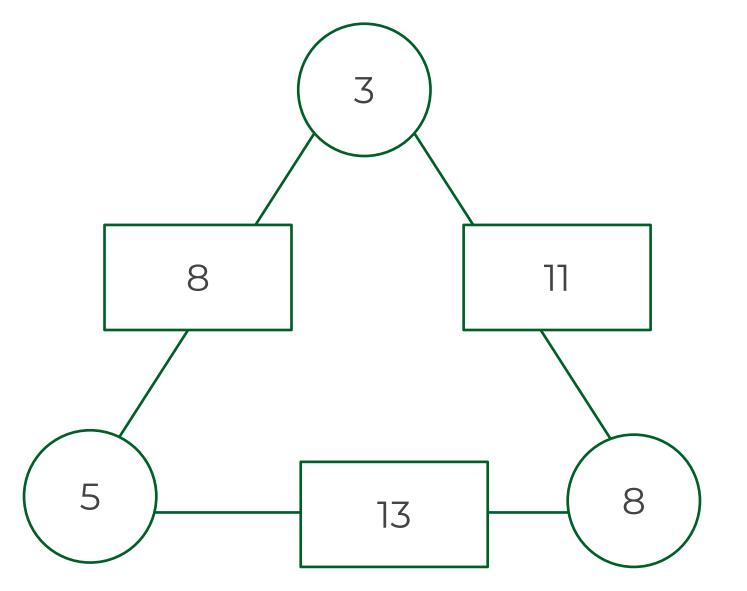
Ms Bridgett



Try this

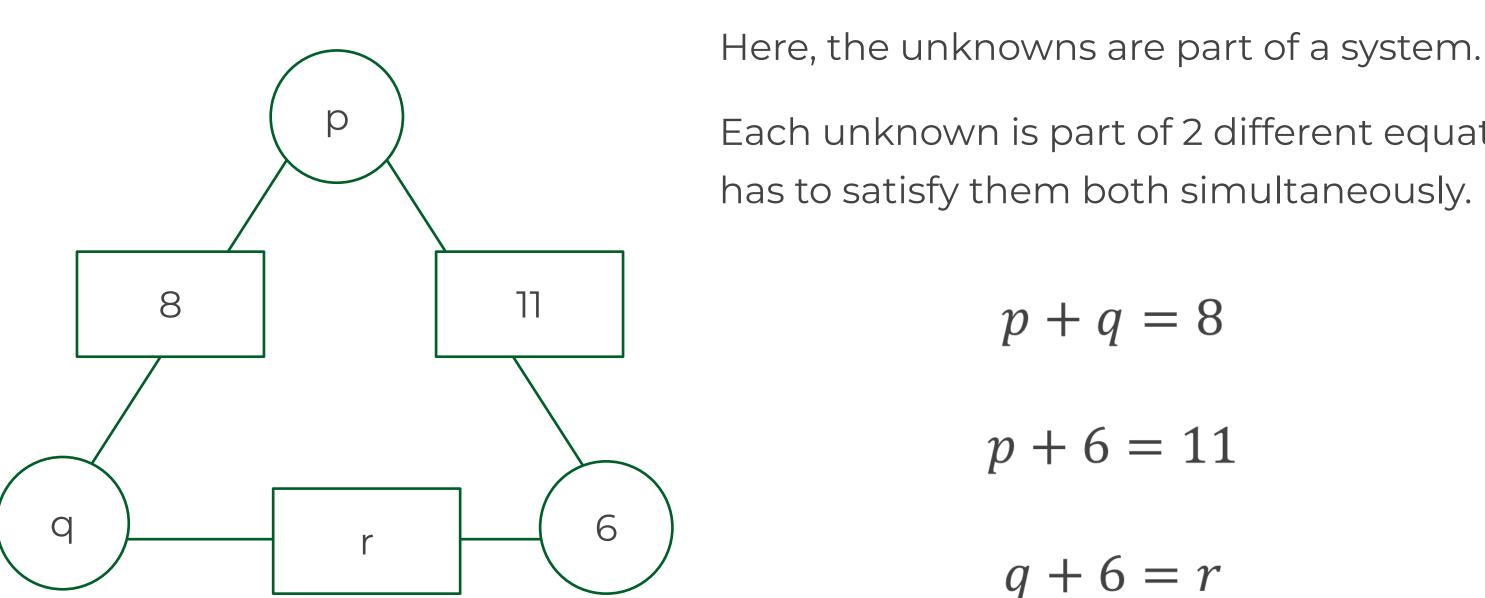
This shape is called an arithmagon.

Can you work out the connection between the numbers in the circles and the numbers in the rectangles?





Connect



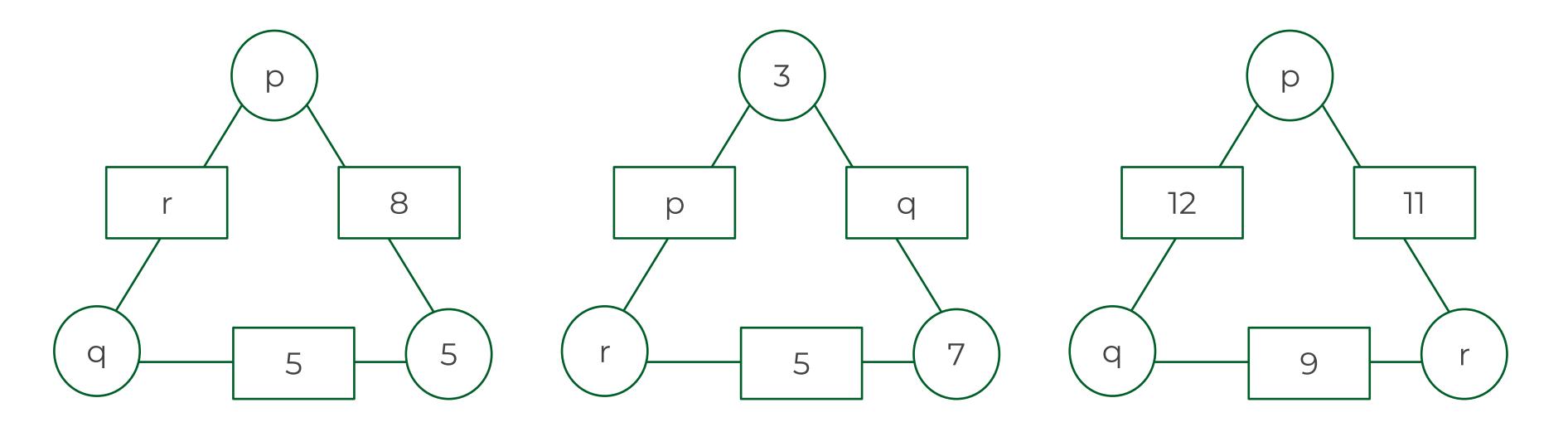
Can you work out the value of the unknowns?

- In the last lesson we had more than one unknown.
- Each unknown is part of 2 different equations and



Independent task

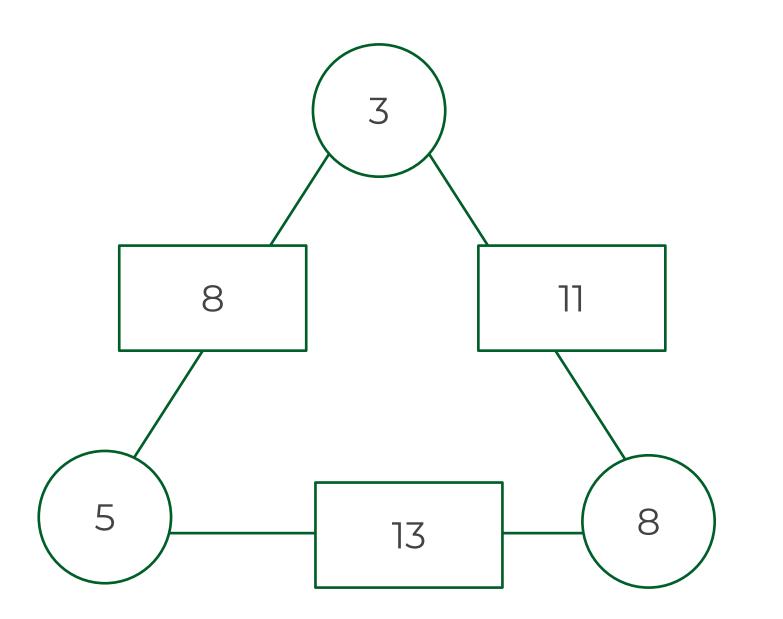
Find the unknowns in the arithmagons:



How many different ways can you find to solve the final arithmagon?



Explore



circle is multiplied by 2?

circles if the numbers in the rectangles are multiplied by 2? Or 3?

- What happens to the numbers in the rectangles if one of the numbers in a
- What happens to the numbers in the rectangles if ALL of the numbers in the circles are multiplied by 2?
- What happens to the numbers in the