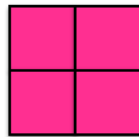


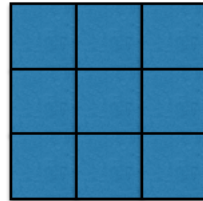


DIFFERENCE OF TWO SQUARES

Squares

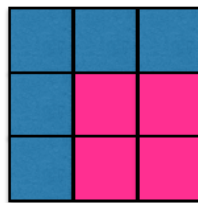


$$2^2=4$$



$$3^2=9$$

Difference of two squares



$$9 - 4 = 5$$

The diagrams above demonstrate how the number 5 can be made as the difference of two squares.

Task

How many other numbers can you find as the difference of two squares, using only the squares from 1 to 36?

Draw squares on squared paper to help you.

What different types of numbers have you found?

Think about the numbers that you haven't found using this method. How can you describe them?