Year 5 Platinum Badge - Complete both tasks and hand this back to your class teacher.

Task 1

Two Primes Make One Square

Can you make square numbers by adding 2 prime numbers together?

Well, let me see.
$4 = 2 + 2$
$9 = 2 + 7$
$16 = 5 + 11$
So far so good!
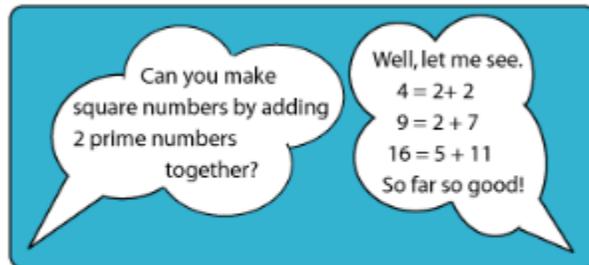
Try with the squares of the numbers between 4 and 20.

Did you find any square numbers which cannot be made by adding two prime numbers together?

Task 2

The 24 Game

Using all four numbers 4, 6, 6 and 8, but using each number only once, there are over 60 different ways of getting the answer 24 by adding, subtracting, multiplying and dividing.

24

How many different ways can you find?