

How many square numbers can you make by adding prime numbers together?

Here's one to get you started:

$$2 + 2 = 4$$

Julian thinks that 4^2 is equal to 16
Do you agree?

Convince me.

He also thinks that 6^2 is equal to 12

Do you agree?

Explain what you have noticed.

Always, Sometimes, Never:

A square number has an even number of factors.