

YOU & MATHS

A square deal Find all the numbers that are 930 less than their squares.

You can translate the statement into:

$$x^2 - 930 = x, \text{ so } x^2 - x - 930 = 0.$$

You can use the formula for finding the roots of an equation. In this case you will find two solutions: one is 31 and the other is -30 . So there are exactly two numbers with this property.