

**16th November**

Corbettmaths

Make  $a$  the subject

$$\frac{a}{n} - \frac{w}{c} = \frac{a - w}{p}$$

After a reduction of 4% in the original price, a motorbike is sold for £800.

Both of these values are correct to one significant figure.

Calculate the greatest possible original price before the reduction was applied.

Prove the product of two consecutive integers is always even.

Sketch the graph of

$$f(x) = -x^2 - 2x + 10$$

showing the coordinates of the turning points and the coordinates of any intercepts with the coordinate axes.