



$$-2 \times 6$$

$$-14 \div -7$$

Caroline says if you subtract two consecutive square numbers, the answer is always odd.

Is she correct?

Sophie says if you square a number, the answer is always bigger.

Explain why she is wrong.

Calculate the nth term

15 17 19 21 23 25

Work out the 20th term in the sequence

Mrs Jenkins is organising a charity raffle.
She sells 500 tickets for £4 each.
The probability that someone wins a prize is 0.1
Each prize cost £12
The profit is donated to charity.

Work out how much money Mrs Jenkins donates to charity.