

8th June	
-2×6 -12	$-14 \div -7$ 2
<p>Caroline says if you subtract two consecutive square numbers, the answer is always odd.</p> <p>Is she correct?</p> $1 \quad 4 \quad 9 \quad 16 \quad 25 \quad 36$	$4 - 1 = 3$ $9 - 4 = 5$ $16 - 9 = 7$ $25 - 16 = 9$ Yes.
<p>Sophie says if you square a number, the answer is always bigger.</p> <p>Explain why she is wrong.</p>	$0^2 = 0$ $1^2 = 1$ $0.5^2 = 0.25$ etc.
<p>Calculate the nth term</p> <p>15 17 19 21 23 25</p> $2n + 13$	<p>Work out the 20th term in the sequence</p> $2 \times 20 + 13$ $40 + 13 = 53$
<p>Mrs Jenkins is organising a charity raffle.</p> <p>She sells 300 tickets for £3 each. $\pounds 900$</p> <p>The probability that someone wins a prize is 0.2 60</p> <p>Each prize cost £8 $60 \times 8 = 480$</p> <p>The profit is donated to charity.</p>	<p>Work out how much money Mrs Jenkins donates to charity.</p> $900 - 480 = \pounds 420$ $=$

