Daily Maths
Challenge
Day 7

Maths Focus: Calculating differences and identifying a rule

Helpful Hints: Calculate the difference between each number in the sequence to help you to identify the rule

Level 1	Level 2	Level 3
Aidan has written some sequences of numbers and he needs your help. For each sequence, carry it on with the next 3 numbers and explain what the rule is below.	Aidan has written some sequences of numbers and he needs your help. For each sequence, work out any missing gaps in the sequences and then explain the rule below.	Aidan has written some sequences of numbers and he needs your help. For each sequence, work out any missing gaps in the sequences and then explain the rule below.
1) 2, 5, 8, 11, 14, 17, 20 **Rule=** add/increase by 3 each time	1) 99, 92, 85, 78, 71, 64, 57 **Rule=** subtract/decrease by 7 each time	1) 1, 4, 9, 16, 25, 36 **Rule=** square numbers in order
2) 50, 48, 46, 44, 42, 40, 38 **Rule=** subtract/decrease by 2 each time	2) 55, 64, 73, 82, 91, 100, 109 **Rule=** add/increase by 9 each time	2) 3½, 7, 10½ , 14, 17 ½, 21, 24½ **Rule=** add/increase by 3 ½ each time
3) 0, 15, 30, 45, 60, 75, 90 **Rule=** add/increase by 15 each time	3) 5, 0, -5, -10, -15, -20, -25 **Rule=** subtract/decrease 5 each time	3) -0.75, -0.5, -0.25, 0, 0.25, 0.5 **Rule=** add/increase by 0.25 each time