

This Week's Problems

(Show your answers using a table)

Foundation Phase

Each of these groups of numbers follows a pattern. Find the pattern and write down the next 3 numbers.

a) 3, 5, 7, 9, _____, _____, _____

b) 1, $1\frac{1}{2}$, 2, $2\frac{1}{2}$, _____, _____, _____

c) 14, 12, 10, 8, _____, _____, _____

d) 75, 70, 65, 60, _____, _____, _____

Key Stage 2

Each of these groups of numbers follows a pattern. Find the pattern and write down the next 3 numbers.

a) 2, 6, 10, 14, _____, _____, _____

b) 11, 22, 33, 44, _____, _____, _____

c) 1, 3, 7, 13, 21, _____, _____, _____

d) 64, 32, 16, 8, _____, _____, _____

e) 6, 9, 8, 11, 10, 13, _____, _____, _____

Challenge Question

A marine biologist is researching the structure of a nautilus. The shell's pattern follows a sequence discovered by the mathematician Fibonacci. Insert the next three numbers.

0, 1, 1, 2, 3, 5, 8, 13