## **ANSWERS**



Maths Focus: Mental and written calculation, using the inverse operation, fractions and percentages

Helpful Hints: start at the end number and work back up the steps doing the inverse operation each time

Level I	Level 2	Level 3
Alfie starts with a number and then carries out a series of calculations.	Alfie starts with a number and then carries out a series of calculations. mystery	Alfie starts with a number and then carries out a series of calculations.  He starts on 35
He starts on 8	He starts on 12	He finds 3/7 of the number = 15
He adds 4 = 12	He increases it by 8 = 20	He increases the number by $25 = 40$
He halves the number = 6	He quarters the number = 5	He takes 75% of the number = 30
He takes away 1 = 5	He multiplies it by 6 = 30	He multiples this by 7 = 210
He multiples it by 2 = 10	He finds 1/3 = 10	He divides this by 10 = 21  He takes 1/3 of this number = 7
He ends on 10  1. What number does Alfie start on?  2. What is each answer in the sequence?	He decreases the number by $7.5 = 2.5$	He multiples this by 1 ½ = 10.5
	He ends on 2.5	He subtracts 20 = 9.5
	What number does Alfie start on?	He ends on - 9.5
	2. What is each answer in the sequence?	What number does Alfie start on?
	· ·	2. What is each answer in the sequence?