



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 1	Level 2	Level 3
<p>Alfie starts with a number and then carries out a series of calculations.</p> <div data-bbox="212 671 647 1145" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">He starts on ?</p> <p style="text-align: center;">He adds 4</p> <p style="text-align: center;">He halves the number</p> <p style="text-align: center;">He takes away 1</p> <p style="text-align: center;">He multiplies it by 2</p> <p style="text-align: center;">He ends on 10</p> </div> <ol style="list-style-type: none"> 1. What number does Alfie start on? 2. What is each answer in the sequence? 	<p>Alfie starts with a number and then carries out a series of calculations.</p> <div data-bbox="869 644 1415 1198" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">He starts on ?</p> <p style="text-align: center;">He increases it by 8</p> <p style="text-align: center;">He quarters the number</p> <p style="text-align: center;">He multiplies it by 6</p> <p style="text-align: center;">He finds $\frac{1}{3}$</p> <p style="text-align: center;">He decreases the number by 7.5</p> <p style="text-align: center;">He ends on 2.5</p> </div> <ol style="list-style-type: none"> 1. What number does Alfie start on? 2. What is each answer in the sequence? 	<p>Alfie starts with a number and then carries out a series of calculations.</p> <div data-bbox="1563 592 2110 1289" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">He starts on ?</p> <p style="text-align: center;">He finds $\frac{3}{7}$ of the number</p> <p style="text-align: center;">He increases the number by 25</p> <p style="text-align: center;">He takes 75% of the number</p> <p style="text-align: center;">He multiplies this by 7</p> <p style="text-align: center;">He divides this by 10</p> <p style="text-align: center;">He takes $\frac{1}{3}$ of this number</p> <p style="text-align: center;">He multiplies this by $1\frac{1}{2}$</p> <p style="text-align: center;">He subtracts 20</p> <p style="text-align: center;">He ends on - 9.5</p> </div> <ol style="list-style-type: none"> 1. What number does Alfie start on? 2. What is each answer in the sequence?