Age 11+ Level ★
Worksheet 1

1. **Reverse Subtraction**
   In this subtraction, a, b and c are digits, and a is less than b. What is the value of c?

$$\begin{array}{r} b\ a \\ -\ a\ b \\ \hline c\ 6 \end{array}$$

2. **Bus Route**
   Nine bus stops are equally spaced along a bus route.
   The distance from the first to the third is 600m.
   How far is it from the first to the last?

3. **Debasing the Coinage**
   In 1990 a new size 5p coin was minted. The old size weighed 5.65g while the new size weighs 3.25g.
   How much lighter will your pocket be if it contains £5 worth of the new size coins instead of the old size?

4. **Fly Away**
   In this addition, each letter represents a different non-zero digit.

   Find the values of A, F, L, W and Y.

$$\begin{array}{r} F\ L\ Y \\ F\ L\ Y \\ +\ F\ L\ Y \\ \hline A\ W\ A\ Y \end{array}$$

5. **Hot Dogs**
   A hot dog lover ate 60 hot dogs over an 8-day period. Every day, she ate one more hot dog than she had eaten the day before.

   How many hot dogs did she eat on the first day?

6. **2014 Even Numbers**
   What is the difference between the sum of the first 2014 odd numbers and the sum of the first 2014 even numbers?