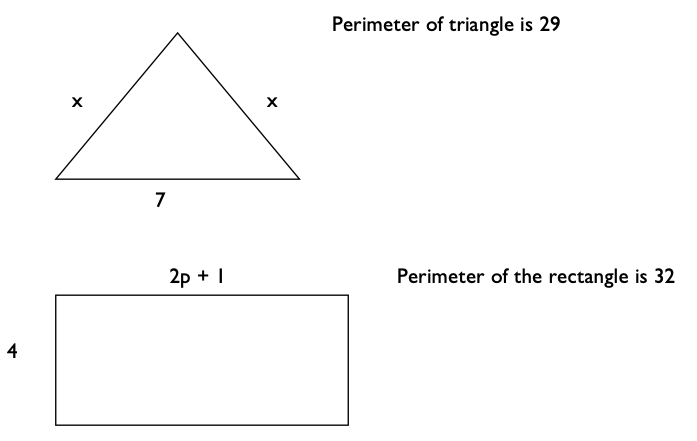
# Forming and Solving Equations B

### Prior Knowledge:

To form expressions to find unknown variables which are given to you.

### Task:

Form an equation and solve it for each of these situations



### Aims

To define your own variables in order to form and solve equations.

### Activities:

I’m thinking of a number. If I add seven to it, then divide by the original number, I get 4. What number am I thinking of?

Karen is thinking of a number. She multiplies it by 4, subtracts 3 and ends up with 5 more than her original number. What number is she thinking of?

Section A

Every day Lucy gets the same amount of pocket money. One day she bought five bars of chocolate and had £3 left over and the next day she bought three bars of chocolate and had £8 left over. How much does a chocolate bar cost?

Section B and C