

# Balancing the bank account

This task is about solving equations and describing what the letters in them stand for.



- a) On **Monday**, Amaia put \$23 into her bank account, bringing her balance to \$57.  
This equation shows the transaction:

$$y + 23 = 57$$

- i) What is the value of  $y$ ? \$
- ii)  $y$  stands for

- b) Here is another equation describing what Amaia did on **Tuesday**:

$$57 - w = 49$$

- i) What is the value of  $w$ ? \$
- ii) What did she do on Tuesday?

- c) On **Wednesday** Amaia withdrew two lots of \$ $x$ .  
The equation here shows this:

$$49 - 2x = q$$

- If  $x = \$9$ , what was her final balance on Wednesday ( $q$ )? \$