

# Think of a number

- Think of a two-digit number.
- Add 5.
- Multiply by 2.
- Subtract 4.
- Divide by 2.
- Subtract your original number.
- What number do you get?

Repeat several times starting with other two-digit numbers.  
What do you notice?

- Think of a two-digit number.
- Add 3.
- Double it.
- Add 2.
- Halve it.
- Subtract your original number.
- What number do you get?

Repeat several times starting with other two-digit numbers.  
What do you notice?

- Think of a two-digit number.
- Add 3.
- Multiply by 2.
- Add 4.
- Divide by 2.
- Subtract your original number.
- What number do you get?

Repeat several times starting with other two-digit numbers.  
What do you notice?

- What happens if you start with a one-digit or a three-digit number?
- Can you explain why this happens?

Try to explain your answer using letters, numbers and symbols.