## Riveting reversals

1. Think of a 4-digit number with consecutive digits. Multiply this by 6 and write down your answer.
2. Now reverse the digits in the 4-digit number, and multiply by 6 again.

Write down your answer.
3. Find the difference between your two answers. Write it down.
4. Repeat with a new different 4-digit number with
 consecutive digits, for example 2345 or 4567.

Make sure you write down the difference between your two answers.
5. Repeat with several other 4-digit numbers with consecutive digits. What happens? Can you think why this is the case?
6. Choose a 4-digit number with consecutive digits, but this time multiply by a single-digit number of your choice.

Reverse the digits of the consecutive number and repeat.
What happens this time?

