Unit 2 Patterns and Number Lines

Let's Think ...

- Work out the missing numbers in each pattern.
- Say how you found the missing numbers.
- Describe each pattern.

1 3 5 ▢ ▢ 11	5 10 ▢ ▢ 25 30
100 90 ▢ ▢ 60	63 ▢ ▢ 33 23



To find the missing numbers in a pattern, you have to decide whether the numbers are in **ascending** *or* **descending** *order.*

Ascending numbers go up in value; for example:

10 20 30 40

Descending numbers go down in value; for example:

100 95 90 85

You can use a **number line** *to find the pattern and work out the missing numbers.*

Look at these examples carefully.

What is the missing number?

14 20 ☐ 32

work out the difference

+6 +6 +6

14 20 26 32

20 + 6 Ascending

The numbers are in ascending order so we count on or add.

What is the missing number?

125 ☐ 115 110

work out the difference

−5 −5 −5

110 115 120 125

Descending 125 − 5

The numbers are in descending order so we count back or subtract.

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