

Continuing a pattern – what comes next?

WHAT THIS LESSON TEACHES

To continue a number pattern, look at how each term changes. The **rule** describes the change — usually 'add the same amount each time' or 'multiply by the same factor each time'.

→ 3, 7, 11, 15, ... rule: add 4. Next: 19.

→ 2, 6, 18, 54, ... rule: multiply by 3. Next: 162.

ANSWER KEY

a) +4 chain: 3, 7, 11, 15, 19, 23, ...

Q2: 53

b) $\times 2$: 2, 4, 6, 8, 10.

Q3: 14

c) -3 : 7, 10, 13, 16.

Q4: 2

Q1: 43

EXTENSION SHEET · STRETCH ANSWERS

S1: -6

S3: 63

S2: 45