

I can count on and back and develop number sequences.

### Examples

To find the rule that links the numbers study the gaps.

- a)  $-8 \ -6 \ -4 \ -2$  The rule is *add 2*.  
 b)  $£3.00 \ £2.50 \ £2.00 \ £1.50$  The rule is *subtract 50p*.

## A

Write the first six numbers in each sequence.

	Start at	Rule		Start at	Rule
1	7	Add 2	7	34	Subtract 2
2	15	Add 5	8	125	Subtract 10
3	4	Add 4	9	22	Subtract 3
4	15	Add 3	10	0	Subtract 1
5	-10	Add 1	11	36	Subtract 6
6	£0.10	Add 10p	12	£5.00	Subtract 50p

## B

Copy and complete by filling in the boxes.

- |   |                      |                      |    |    |                      |                      |    |        |       |        |       |                      |                      |
|---|----------------------|----------------------|----|----|----------------------|----------------------|----|--------|-------|--------|-------|----------------------|----------------------|
| 1 | 24                   | 30                   | 36 | 42 | <input type="text"/> | <input type="text"/> | 7  | -7     | -5    | -3     | -1    | <input type="text"/> | <input type="text"/> |
| 2 | 51                   | 49                   | 47 | 45 | <input type="text"/> | <input type="text"/> | 8  | 8      | 6     | 4      | 2     | <input type="text"/> | <input type="text"/> |
| 3 | 75                   | 78                   | 81 | 84 | <input type="text"/> | <input type="text"/> | 9  | 0.1 m  | 0.3 m | 0.5 m  | 0.7 m | <input type="text"/> | <input type="text"/> |
| 4 | 20                   | 40                   | 60 | 80 | <input type="text"/> | <input type="text"/> | 10 | 1.75 m | 1.5 m | 1.25 m | 1.0 m | <input type="text"/> | <input type="text"/> |
| 5 | <input type="text"/> | <input type="text"/> | -1 | -2 | -3                   | -4                   | 11 | £1.80  | £1.60 | £1.40  | £1.20 | <input type="text"/> | <input type="text"/> |
| 6 | <input type="text"/> | <input type="text"/> | 1  | 4  | 7                    | 10                   | 12 | £0.02  | £0.04 | £0.06  | £0.08 | <input type="text"/> | <input type="text"/> |

## C

Copy the sequences and write the next three numbers. What is the rule for each sequence?

- |   |     |     |     |     |    |      |      |      |      |
|---|-----|-----|-----|-----|----|------|------|------|------|
| 1 | 57  | 59  | 61  | 63  | 7  | -14  | -10  | -6   | -2   |
| 2 | 126 | 122 | 118 | 114 | 8  | 22   | 16   | 10   | 4    |
| 3 | 46  | 53  | 60  | 67  | 9  | 0.2  | 0.4  | 0.6  | 0.8  |
| 4 | 65  | 56  | 47  | 38  | 10 | 1.4  | 1.3  | 1.2  | 1.1  |
| 5 | 8   | 6   | 4   | 2   | 11 | 0.96 | 0.97 | 0.98 | 0.99 |
| 6 | -20 | -15 | -10 | -5  | 12 | 1.2  | 1.15 | 1.1  | 1.05 |