

Check your progress

- 1 Hassan counts in steps of 0.4.

His first number is 1.

He counts 1, 1.4, 1.8, ...

What is the tenth number in his sequence?

- 2 a Find the position-to-term rule for the numbers in this table.

Position	Term
1	7
2	14
3	21
4	28

b What is the 10th term of the sequence 7, 14, 21, ...?

- 3 Which of these expressions are equal to 7^2 ?

7×7 $7 + 7$ $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$

$7 + 7 + 7 + 7 + 7 + 7 + 7$ 7×2

- 4 Mia is thinking of a number.

She says, 'My number is an even number less than 50.'

It is a common multiple of 3 and 7.'

What number is Mia thinking of?

- 5 Tim goes to school.

His age is a cube number.

His age is double one square number and half a different square number.

How old is Tim?

- 6 Copy the table. Put ticks in the boxes to show whether these numbers are divisible by 3, 6 and 9.

	Divisible by 3	Divisible by 6	Divisible by 9
987			
495			
3594			