

Exam questions

Exam question 1

Here are the first four terms of a number sequence.

3 7 11 15

(a) (i) Write down the next term in the sequence.

(ii) Explain how you got your answer.

(b) Work out the 11th term in the sequence.

(c) Is 79 a term in this sequence?
Explain how you got your answer.

Exam question 2

Here are the first five terms of a number sequence.

45 40 35 30 25

(a) (i) Write down the next two terms of this sequence.

A term of this sequence is -5

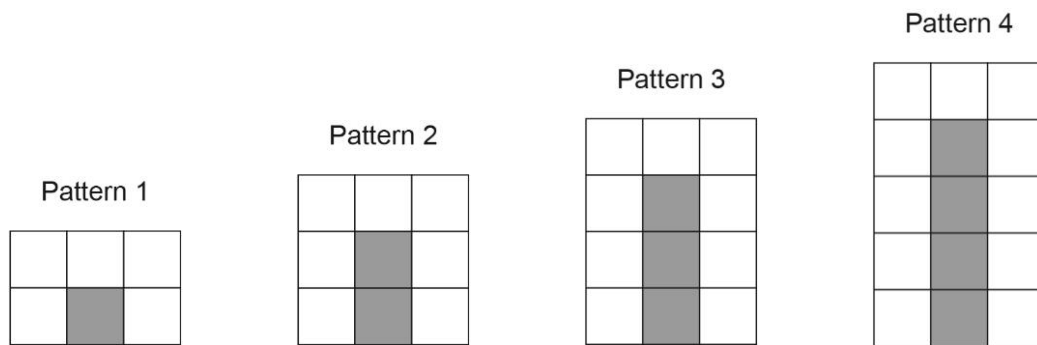
(ii) Which term?

The n th term of a different sequence is given by the expression $4n + 3$
(b) Find the 9th term of this sequence.

Exam question 3

A sequence of patterns uses grey squares and white squares.

Here are the first four patterns.



(a) Work out the **total** number of squares in Pattern 100

(b) Complete this number machine for the sequence of patterns.

