FEEDBACK

Topic: Sequences – n^{th} term

ACCESS MATHS

ACTION

RESPONSE

Find the n^{th} term of the following sequences.

Fluency

1) 3, 6, 9, 12, 15

2) 7, 12, 17, 22, 27

3) 5, 11, 17, 23, 29

4) 9, 4, -1, -6, -11

5) 10, 7, 4, 1, -2

6) 19, 16, 13, 10, 7

7) 2, 2.5, 3, 3.5, 4

8) 0.25, 0.75, 1.25, 1.75

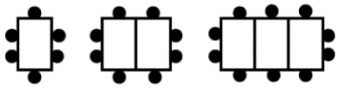
9) 9, 6.5, 4, 1.5, -1

Reasoning

Find the nth term of each of the picture sequences below:

a) Match stick pattern.

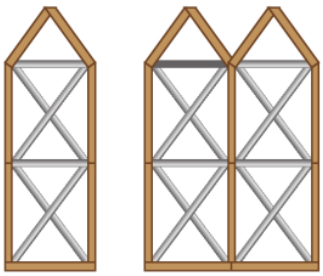
b) Fence post pattern.



c) Guests around dining tables

Problem Solving

Sections of decorative fencing are made using steel rods and wooden planks:



a) What is the nth term for the steel rods?

b) What is the nth term for the wooden planks?

c) Which position in the pattern will have 112 wooden planks?

d) The steel rods cost £2 and the wooden planks cost £2.50 each. How much will a fence made of 12 sections cost?

R A G

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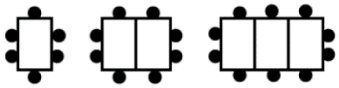

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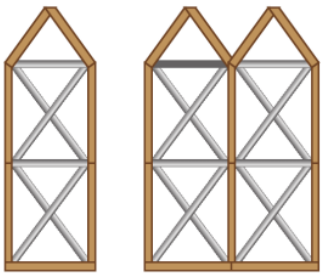

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