

Original examination style practice

Pearson Edexcel GCSE Mathematics 1MA1 • L023

10 marks • 12 minutes • Non-calculator • Lesson resources

REACH FOR THE STAR | GCSE MATHEMATICS

Original Reach for the Star questions; not official or endorsed Pearson materials. Shared Foundation/Higher content. This is targeted practice, not a balanced mock paper or grade prediction.

E1 Find (a) the sixth term of $2n+3$ (b) the next term of 1,2,3,5,8,... using a Fibonacci-type rule. [2]

E2 An arithmetic sequence starts 8,13,18. Find its n th term, tenth term and explain the adjustment. [3]

Reasoning and application

E3 A learner says 7,10,13,... has rule $7n$. Give a counterexample and correct the rule. [2]

E4 A joined-square row uses $3n+1$ sticks. Find n for 46 sticks and check. State what n represents. [3]

Check working and units. Teacher feedback follows separately.