

Formative mini test answers

Pearson Edexcel GCSE Mathematics 1MA1 • L001

8 marks • Teacher use only • Lesson resources

REACH FOR THE STAR | GCSE MATHEMATICS

Award the listed components. B means an independent mark; M a method mark; A an accuracy mark dependent on the associated method. Accept equivalent exact forms. Correct numerical answers earn numerical method marks unless a question explicitly requires working or explanation.

M1 [1]

-5. B1 for -5.

M2 [1]

13. B1 for 13.

M3 [1]

-9, -2, 1. B1 for the complete correct order.

M4 [2]

$3 - (-6) = 9^{\circ}\text{C}$. M1 for a correct difference or a valid crossing-zero method; A1 for 9°C .

M5 [3]

4 (B1). Subtracting -7 means adding 7 (B1). -10 would be $-3 + (-7)$ or $-3 - 7$, or give a valid inverse check $4 + (-7) = -3$ (B1).

What to reteach

M1: rehearse moving right from a negative start. M2 or M5: distinguish the signed number from subtraction and check by adding it back. M3: place values on an equally spaced number line. M4: distinguish final temperature from change in temperature. Reassess with $-7 + 2$, $4 - (-6)$, and the rise from -3°C to 5°C . Answers: -5, 10, 8°C . A high immediate score needs delayed confirmation.