

Question 5

(25 marks)

Harry draws a scale diagram of the portion of his garden that is covered in lawn.
His diagram is shown below.

Each box on the grid is $1\text{ cm} \times 0.5\text{ cm}$.

Each cm on Harry's diagram represents 3 m.

In order to estimate the area of the lawn Harry divides the diagram into eight sections.

- (a)** Use the trapezoidal rule to estimate the area of the lawn using the scale: $1\text{ cm} = 3\text{ m}$.

