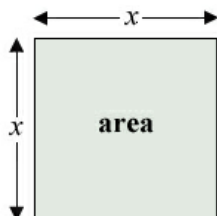


Square flower beds

This task is about estimating the square root of an area.



Liam, Beth and Caleb each have a square flower-bed. The length of each side of the square flower-bed (x) is equal to the square root of the area of the flower-bed.



- a) Liam has a square flower-bed with an area of 25 m^2 . What is the length of each side of his flower-bed?

m

- b) Beth has a square flower-bed with an area of 10 m^2 .
The length of each side is somewhere between 3 and 4 metres.
Without using a calculator explain how you know the length is within this range.

- c) Caleb has a square flower-bed with an area of 40 m^2 .

- i) The length of each side is between and metres.

- ii) Without using a calculator explain how you know the length is within this range.