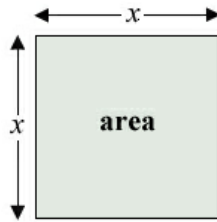# Square flower beds

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.

_____

_____

_____