

WHAT IS A WHOLE NUMBER WITH A SQUARE ROOT OF APPROXIMATELY 4.1?

17 ✓

$$\sqrt{17} \approx 4.1$$

18 ✓

$$\sqrt{16} = 4$$

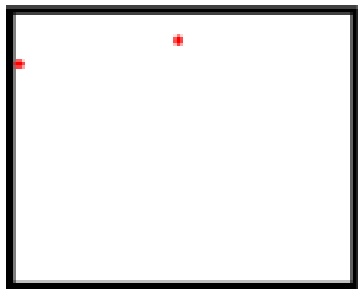
20 ✓

$$\sqrt{25} = 5$$

A SQUARE GARDEN HAS AN AREA OF 139 cm^2

a) what is the side length of the garden?

b) how much fencing is needed to go all the way around the garden?



$$L \cdot W = 139 \text{ cm}^2$$

$$L \cdot L = 139 \text{ cm}^2$$

$$\sqrt{L^2} = \sqrt{139 \text{ cm}^2}$$

What you do to one side of the equation

you have to do to the other side of the equation

$$L = \sqrt{139}$$

$$\sqrt{121} = 11$$

$$\sqrt{144} = 12$$

a) $L = 11.7 \text{ cm}$

$$b) 11.7 \times 4 = 46.8 \text{ cm}$$



Pg 26 # 13, 14, 15, 16, 21

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