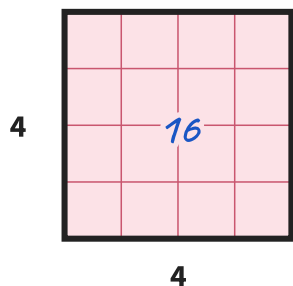


Squares and Square Roots

ANSWERS

1

Work out 4^2 .

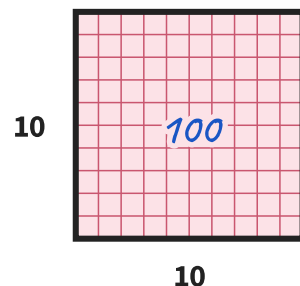


$$4 \times 4 = 16$$

$$4^2 = 16$$

2

Work out 10^2 .

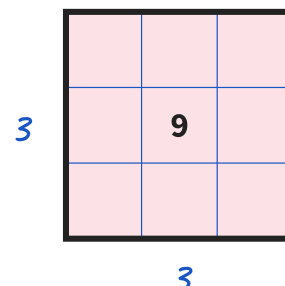


$$10 \times 10 = 100$$

$$10^2 = 100$$

3

Work out $\sqrt{9}$.

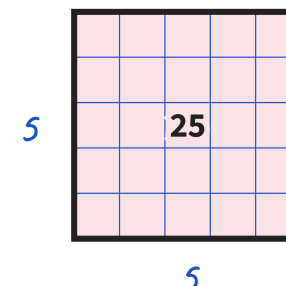


$$3 \times 3 = 9$$

$$\sqrt{9} = 3$$

4

Work out $\sqrt{25}$.

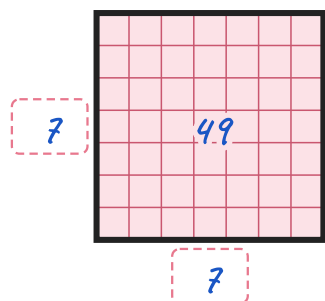


$$5 \times 5 = 25$$

$$\sqrt{25} = 5$$

5

Work out 7^2 .

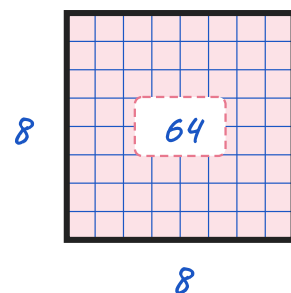


$$7 \times 7 = 49$$

$$7^2 = 49$$

6

Work out $\sqrt{64}$.

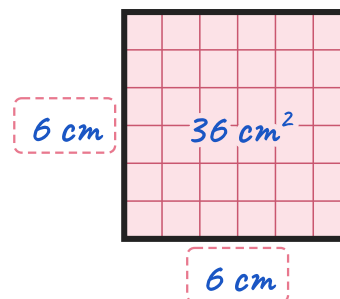


$$8 \times 8 = 64$$

$$\sqrt{64} = 8$$

7

A square tile has sides of 6 cm.
Work out the area of the tile.

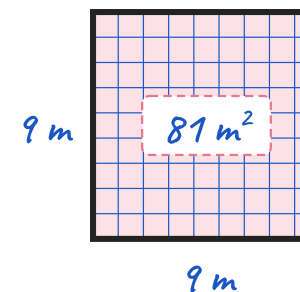


$$6 \times 6 = 36$$

$$\text{Area} = 36 \text{ cm}^2$$

8

A square garden has an area of 81 m².
How long is each side?



$$9 \times 9 = 81$$

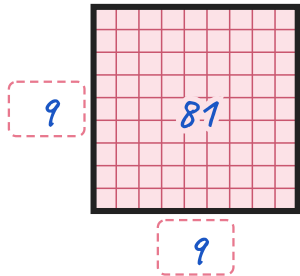
$$\text{Side} = 9 \text{ m}$$

Squares and Square Roots *further practice*

ANSWERS

9

Work out 9^2 .

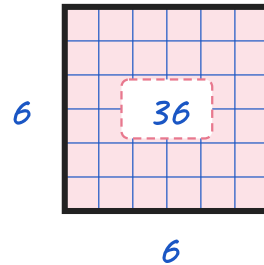


$$9 \times 9 = 81$$

$$9^2 = 81$$

10

Work out $\sqrt{36}$.

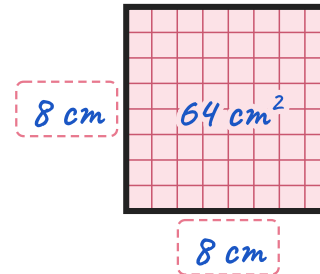


$$6 \times 6 = 36$$

$$\sqrt{36} = 6$$

11

A square card has sides of 8 cm.
Work out the area of the card.

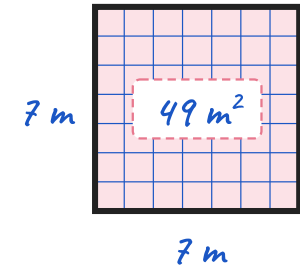


$$8 \times 8 = 64$$

$$\text{Area} = 64 \text{ cm}^2$$

12

A square lawn has an area of 49 m^2 . How long is each side?

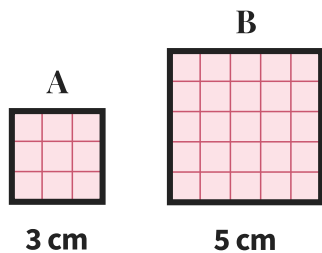


$$7 \times 7 = 49$$

$$\text{Side} = 7 \text{ m}$$

13

Here are two square tiles, A and B.
Work out their total area.



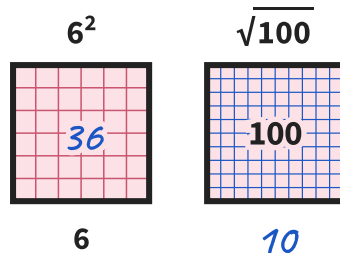
$$\text{Area of A} = 9 \text{ cm}^2$$

$$\text{Area of B} = 25 \text{ cm}^2$$

$$\text{Total area} = 34 \text{ cm}^2$$

14

Which is bigger, 6^2 or $\sqrt{100}$?



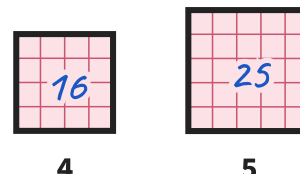
$$6^2 = 36$$

$$\sqrt{100} = 10$$

$$\text{Bigger} = 6^2$$

15

Can 20 square tiles make one big square? Finish the sentences.



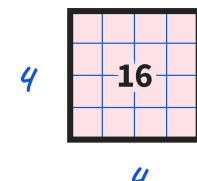
$$4 \times 4 = 16 \quad 5 \times 5 = 25$$

So 20 tiles cannot make a square because

20 is not a square number.

16

Sam says $\sqrt{16} = 8$. What has Sam done wrong? Finish the sentences.



Sam has divided 16 by

$$\sqrt{16} = 2$$

4 because $4 \times 4 = 16$.