



How to Calculate the Area of a Square?

FREE Worksheet - 2

Time: 20 minutes

(Detailed solutions at the end)

1. Desmond painted a 8 m by 8 m piece of wood. What is the area of the wood he painted?

Answer: _____ m²

2. Zoe mowed her garden. The garden has sides of 7 m and 7 m. What is the area of the garden?

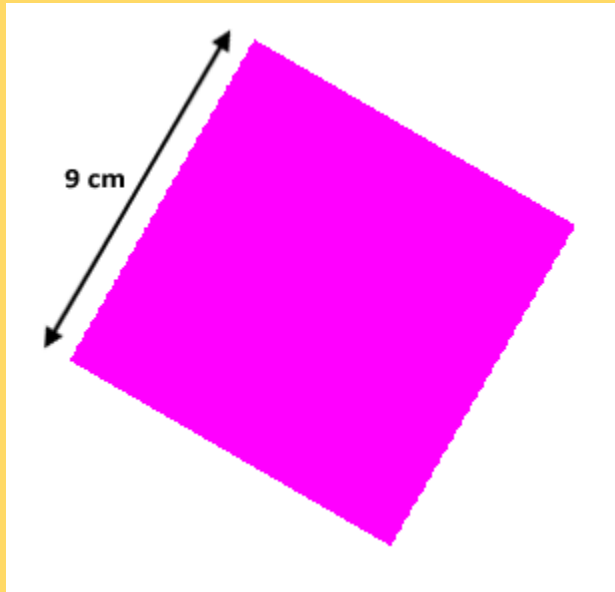
Answer: _____ m²

3. What is the area of a square of side 6 m?

Answer: _____ m²



4. Find the area of the given square.



Answer: _____ m²

5. The length of a square plate is 6 cm. What is the area of the plate?

Answer: _____ cm²

6. A square sheet of pastry is 6 cm long. Find the area of the sheet of pastry.

Answer: _____ cm²



SOLUTIONS

Problem 1

Area of square = Length of side \times Length of side

$$= 8 \text{ m} \times 8 \text{ m}$$

$$= 64 \text{ m}^2$$

The area of the wood he painted is 64 m^2 .

Problem 2

Area of square = Length of side \times Length of side

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

$$= 49 \text{ m}^2$$

The area of the garden is 49 m^2



Problem 3

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 6 \text{ m} \times 6 \text{ m} \\ &= 36 \text{ m}^2\end{aligned}$$

Problem 4

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 9 \text{ cm} \times 9 \text{ cm} \\ &= 81 \text{ cm}^2\end{aligned}$$

Problem 5

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 6 \text{ cm} \times 6 \text{ cm} \\ &= 36 \text{ cm}^2\end{aligned}$$

The area of the square plate is 36 cm^2 .



Problem 6

$$\text{Area of square} = \text{Length of side} \times \text{Length of side}$$

$$= 6 \text{ cm} \times 6 \text{ cm}$$

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

The area of the sheet of pastry is 36 cm^2 .