



## How to Calculate the Area of a Square?

**FREE Worksheet - 1**

**Time: 20 minutes**

(Detailed solutions at the end)

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1. What is the area of a square of side 5 cm?

Answer: \_\_\_\_\_  $\text{cm}^2$

2. The length of a square plate is 8 cm. What is the area of the plate?

Answer: \_\_\_\_\_  $\text{cm}^2$

3. The length of one side of a square sheet of paper is 4 cm. What is the area of the sheet of paper?

Answer: \_\_\_\_\_  $\text{cm}^2$

4. Vernon painted a 5 m by 5 m piece of wood. What is the area of the wood he painted?

Answer: \_\_\_\_\_  $\text{m}^2$

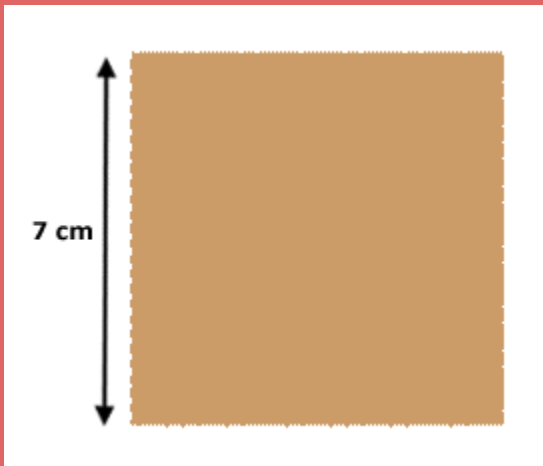
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5. Bianca cut out a 5-cm square from a piece of cloth. Find the area of the square she cut out.

Answer: \_\_\_\_\_  $\text{cm}^2$

6. Find the area of the given square.



Answer: \_\_\_\_\_  $\text{cm}^2$



## **SOLUTIONS**

### **Problem 1**

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

$$= 5 \text{ cm} \times 5 \text{ cm}$$

$$= 25 \text{ cm}^2$$

### **Problem 2**

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

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

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

The area of the square plate is  $64 \text{ cm}^2$



**Problem 3**

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 4 \text{ cm} \times 4 \text{ cm} \\ &= 16 \text{ cm}^2\end{aligned}$$

The area of the sheet of paper is  $16 \text{ cm}^2$

**Problem 4**

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 5 \text{ m} \times 5 \text{ m} \\ &= 25 \text{ m}^2\end{aligned}$$

The area of the wood he painted is  $25 \text{ m}^2$



**Problem 5**

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 5 \text{ cm} \times 5 \text{ cm} \\ &= 25 \text{ cm}^2\end{aligned}$$

The area of the square she cut out is  $25 \text{ cm}^2$ .

**Problem 6**

$$\begin{aligned}\text{Area of square} &= \text{Length of side} \times \text{Length of side} \\ &= 7 \text{ cm} \times 7 \text{ cm} \\ &= 49 \text{ cm}^2\end{aligned}$$