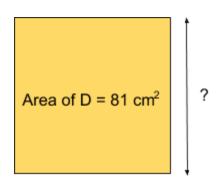# Area of Squares

**FREE Worksheet - 2**

**Time: 15 minutes**
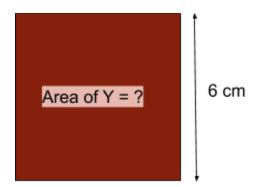
(Detailed solutions at the end)

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1. The area of Square A is 81 cm$^2$. Find its length.



   a. 5 cm
   c. 7 cm
   b. 6 cm
   d. 9 cm

2. The length of Square Y is 6 cm. Find its area.
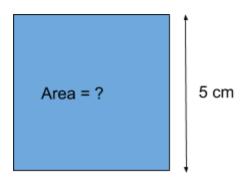


   a. 25 cm$^2$
   c. 16 cm$^2$
   b. 36 cm$^2$
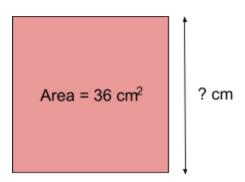   d. 81 cm$^2$

3. Find the area of the square below:



Area = ?

5 cm

a. 25 cm$^2$
c. 16 cm$^2$

b. 36 cm$^2$
d. 81 cm$^2$

4. Find the length of the square below:



Area = 36 cm$^2$

? cm

a. 5 cm
c. 7 cm

b. 6 cm
d. 9 cm

5. The area of a piece of square cardboard is 64 cm$^2$. What is the length of each side of the square cardboard?

|  |  |
|---|---|
| b. 5 cm | b. 6 cm |
| c. 8 cm | d. 9 cm |

# SOLUTIONS

### Problem 1

Area of a square = Length × Length

Given, area = 81 cm$^2$ = 9 cm × 9 cm

Therefore, length = **9 cm**

### Problem 2

Area of a square = Length × Length

Given, length = 6 cm

Therefore, area = 6 cm × 6 cm = **36 cm$^2$**

### Problem 3

Area of a square = Length × Length

Given, length = 5 cm

Therefore, area = 5 cm × 5 cm = **25 cm$^2$**

## Problem 4

Area of a square = Length × Length

Given, area = 36 cm$^2$ = 6 cm × 6 cm

Therefore, length = **6 cm**

## Problem 5

Area of the square cardboard = 64 cm$^2$ = Length × Length

Given, area = 64 cm$^2$ = 8 cm × 8 cm

Therefore, length of each side of the square cardboard = **8 cm**