

ANSWERS

AREA OF SQUARES

Instructions: Calculate the area of the square in different everyday situations.

Exercise 1: Photographic camera

On the family vacation, grandfather surprised everyone with some beautiful photographs that he took with his old square camera which each side measures 12cm.

Question: What is the surface area of the camera?



Solution:

$$\text{Area} = 12 \text{ cm} * 12 \text{ cm} = 144\text{cm}^2$$

Exercise 2: Chessboard

Lucas took first place in the chess championship, he played with the square board that his teacher had given him, each side of the chess board measures 50cm.

Question: What is the area of the chess board in which?



Solution:

$$\text{Area} = 50 \text{ cm} * 50 \text{ cm} = 2500\text{cm}^2$$

Exercise 3: The Letter Envelope

Pedro's lover writes him letters on Monday of each week. She decorates the square envelope where she keeps the letter with red and blue colors, each side of the envelope measures 17cm.

Question: What is the area of the envelope where the letter is kept?

Solution:

$$\text{Area} = 17 \text{ cm} * 17 \text{ cm} = 289\text{cm}^2$$



How Did You Do?

