

ANSWERS

AREA OF QUADRILATERALS

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

Exercise 1: Photo Frame

The photograph that captures the happiest moment of the family is in the square wooden photo frame with sides of 25 cm.

Question: What is the area of the photo frame?

Solution:

$$\text{Area} = 25 \text{ cm} * 25 \text{ cm} = 625\text{cm}^2$$



Exercise 2: The Aquarium

The house of Nemo, Matias' fish, is a rectangular aquarium. The front part has a base of 85 cm and a height of 45 cm.

Question: What is the area of the front part of the aquarium?

Solution:

$$\text{Area} = 85 \text{ cm} * 45 \text{ cm} = 3825\text{cm}^2$$



Exercise 3: The Pendant

The favorite accessory of Juliana is a blue stone pendant in the shape of a diamond with diagonals of 10 mm and 0.8 mm.

Question: What is the area of the pendant?

Solution:

$$\text{Area} = 10 \text{ mm} * 0,8 \text{ mm} = 8\text{mm}^2 / 2 = 4\text{mm}^2$$



How Did You Do?

