

ANSWERS

AREA OF RHOMBUS

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

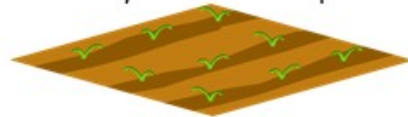
Exercise 1: The Trees

To contribute to saving the planet, my family and I are going to plant trees on an abandoned piece of land that is in the shape of a rhombus with diagonals of 7 meters and 5 meters.

Question: What is the area of the land to know how many trees we can plant?

Solution:

$$\text{Area} = 7 \text{ m} * 5 \text{ m} = 35 \text{ m} / 2 = 17,5\text{m}^2$$



Exercise 2: The Shirt

In my new school, the football team's shirt has an embroidered emblem on the chest in the shape of a rhombus, with diagonals of 7.2 cm and 4.7 cm.

Question: What is the area of the emblem?

Solution:

$$\text{Area} = 7,2 \text{ cm} * 4,7 \text{ cm} = 33,84 \text{ cm} / 2 = 16,92\text{cm}^2$$



Exercise 3: The Lamp

My grandmother has a yellow lamp hanging from the ceiling in her house, which has several rhombuses. The central rhombus has one diagonal of 23 cm and the other diagonal of 15 cm.

Question: What is the area of the central rhombus of the lamp?

Solution:

$$\text{Area} = 23 \text{ cm} * 15 \text{ cm} = 345 \text{ cm} / 2 = 172,5\text{cm}^2$$



How Did You Do? 😊 😐 😞