

ANSWERS

AREA OF QUADRILATERALS

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

Exercise 1: The Notebook

In math classes, to avoid forgetting what I've learned, I take notes in my square notebook with sides of 15 cm.

Question: What is the area of the notebook?

Solution:

$$\text{Area} = 15 \text{ cm} * 15 \text{ cm} = 225 \text{ cm}^2$$



Exercise 2: The Tissue Box

Maria always keeps a rectangular tissue box with 10 cm sides in the glove compartment of her car.

Question: What is the area of the front face of the tissue box?

Solution:

$$\text{Area} = 10 \text{ cm} * 10 \text{ cm} = 100 \text{ cm}^2$$



Exercise 3: The Scarf

Grandpa wears a fuchsia scarf with diamond-shaped patterns in winter. Each diamond has a longer diagonal of 4.5 cm and a shorter diagonal of 3 cm.

Question: What is the area of one of the diamonds on the scarf?

Solution:

$$\text{Area} = 4,5 \text{ cm} * 3 \text{ cm} = 13,5 \text{ cm}^2 / 2 = 6,75 \text{ cm}^2$$



How Did You Do?

