

# ANSWERS

## AREA OF MIXED SHAPES

**Instructions:** : Calculate the area of geometric figures in different everyday situations.

### Exercise 1: The Traffic Cone

In the city, to control traffic and define lanes, they use triangular cones in orange or yellow with a base of 50 cm and a height of 70 cm.

**Question:** What is the area of the cone?

**Solution:**

$$\text{Area} = 50 \text{ cm} * 70 \text{ cm} = 3500 \text{ cm}^2 / 2 = 1750 \text{ cm}^2$$



### Exercise 2: The Playing Card

The magician amazed everyone by guessing the playing card Julia was holding in her hands. The square-shaped card has each side measuring 8 cm.

**Question:** What is the area of the playing card?

**Solution:**

$$\text{Area} = 8 \text{ m} * 8 \text{ m} = 64\text{m}^2$$



### Exercise 3: Sacha's house

Joaquín built a house for Sacha, his dog, in the shape of a rhombus with one diagonal measuring 100 cm and the other 70 cm.

**Question:** What is the area of Sacha's house?

**Solution:**

$$\text{Area} = 100 \text{ cm} * 70 \text{ cm} = 7.000 \text{ cm}^2 / 2 = 3.500 \text{ cm}^2$$



How Did You Do?

