# ANSWERS
# AREA OF TRAPEZOIDS

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

## Exercise 1: The Pot

Maria has a decorative plant in a pot with a base in the shape of a trapezoid in her living room. The larger base is 30 cm, the smaller base is 25 cm, and the height is 20 cm.

**Question:** What is the area of the base of the pot?

**Solution:**

**Area = (30 cm + 25 cm) * 20 cm / 2**
**55 cm * 20 cm / 2**
**1100 cm2 / 2**
**550 cm2**

## Exercise 2: The Beige Handbag

For their anniversary, Mario gifted his wife a beige handbag. The front part has a larger base of 27 cm, a smaller base of 21 cm, and a height of 18 cm.

**Question:** What is the area of the front part of the handbag?

**Solution:**

**Area = (27 cm + 21 cm) * 18 cm / 2**
**48 cm * 18 cm / 2**
**864 cm2 / 2**
**432 cm2**

## Exercise 3: The Grater

Margarita serves the pasta by grating cheese on the table. The front side of the grater has a larger base of 13 cm, a smaller base of 11 cm, and a height of 12 cm.

**Question:** What is the area of the front part of the grater?

**Solution:**

**Area = (13 cm + 11 cm) * 12 cm / 2**
**24 cm * 12 cm / 2**
**288 cm2 / 2**
**144 cm2**

**How Did You Do?** ☺ 😐 ☹