

# ANSWERS

## AREA OF A CIRCLE

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

### Exercise 1: The Apple Pie

My mother prepared a circular apple pie for Ana's aunt, which has a radius of 10cm.

**Question:** What is the area of the apple pie?

**Solution:**

$$3,14 * (10) \text{ cm} * (10) \text{ cm}$$

$$3,14 * 100 \text{ cm}^2$$

$$\text{Area} = 314 \text{ cm}^2$$



### Exercise 2: The Gymnastics Ring

Every afternoon, Salomé practices the number she will present in the Olympics with her gymnastics hoop. The hoop has a radius of 34cm.

**Question:** What is the area of the gymnastics ring?

**Solution:**

$$3,14 * (34) \text{ cm} * (34) \text{ cm}$$

$$3,14 * 1,156 \text{ cm}^2$$

$$\text{Area} = 3,629,84 \text{ cm}^2$$



### Exercise 3: The CD

Alex found a CD by a band he knew in his father's record collection. The CD has a radius of 2.8cm.

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

**Solution:**

$$3,14 * (2,8) \text{ cm} * (2,8) \text{ cm}$$

$$3,14 * 7,84 \text{ cm}^2$$

$$\text{Area} = 24,6176 \text{ cm}^2$$



How Did You Do? 😊 😐 😞