

# ANSWERS

## AREA OF MIXED SHAPES

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

### Exercise 1: The Yarn Ball

The cat in my house loves playing with the yarn balls while grandma knits. The yarn ball has a radius of 12 cm.

**Question:** What is the area of the yarn ball?

**Solution:**

$$3,14 * (12) \text{ cm} * (12) \text{ cm}$$

$$3,14 * 144 \text{ cm}^2$$

$$\text{Area} = 452,16 \text{ cm}^2$$



### Exercise 2: The Musical Triangle

Manuel shone in the salsa orchestra performing a solo on the musical triangle, which has a base of 10 cm and a height of 15 cm.

**Question:** What is the area of the musical triangle?

**Solution:**

$$\text{Area} = 10 \text{ cm} * 15 \text{ cm} = 150 \text{ cm}^2 / 2 = 75 \text{ cm}^2$$



### Exercise 3: The Calendar

My mom has a square-shaped calendar on her desk where she notes special dates. The calendar has sides of 13 cm.

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

**Solution:**

$$\text{Area} = 13 \text{ cm} * 13 \text{ cm} = 169 \text{ cm}^2$$



How Did You Do?

