

ANSWERS

AREA OF A CIRCLE

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

Exercise 1: The Tire

Uncle Jorge's truck had one of its tires punctured, it has a radius of 30cm..

Question: What is the area of the rim?

Solution:

$$3,14 * (30) \text{ cm} * (30) \text{ cm}$$

$$3,14 * 900 \text{ cm}^2$$

$$\text{Area} = 2826 \text{ cm}^2$$



Exercise 2: The Soccer Ball

Pedrito was able to recover his soccer ball that he had dropped in the neighbor's yard, the ball has a radius of 14cm.

Question: What is the area of the soccer ball?

Solution:

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

$$3,14 * 196 \text{ cm}^2$$

$$\text{Area} = 615,44 \text{ cm}^2$$



Exercise 3: The Coin

Juan filled his piggy bank by adding one last coin, which has a radius of 1cm.

Question: What is the area of the coin?

Solution:

$$3,14 * (1) \text{ cm} * (1) \text{ cm}$$

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

$$\text{Area} = 3,14 \text{ cm}^2$$



How Did You Do? 😊 😐 😞