

ANSWERS

AREA OF TRIANGLES

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

Exercise 1: The Sandwich

This delicious sandwich has a triangular shape, its base is 10cm and its height is 15cm.

Question: ¿you can find its area?

Solution:

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



Exercise 2: The Pyramid

In the Louvre Museum in Paris there is a pyramid made up of 70 glass triangles, its base is 21.64 m and its height is 35.42 m.

Question: ¿What is the area of this pyramid?

Solution:

$$\text{Area} = 21,64 \text{ m} * 35,42 \text{ m} = 766,4888 \text{ m} / 2 = 383,2444 \text{ m}$$



Exercise 3: The Island

A swimmer swims near an island located in the middle of the sea that has a triangular shape, its base is 100m and its height is 180m.

Question: ¿what will be the area of the island?

Solution:

$$\text{Area} = 100 \text{ m} * 180 \text{ m} = 18.000 \text{ m} / 2 = 9.000 \text{ m}$$



How Did You Do?

