

ANSWERS

AREA OF QUADRILATERALS

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

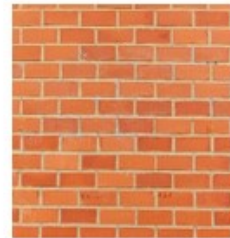
Exercise 1: The Brick Wall

The mason repaired the square brick wall with sides of 3 meters that was deteriorated in the back part of the house.

Question: What is the area of the brick wall?

Solution:

$$\text{Area} = 3 \text{ m} * 3 \text{ m} = 9\text{m}^2$$



Exercise 2: The Bill

I always keep a rectangular dollar bill in my wallet for good luck, with sides of 13 cm.

Question: What is the area of the bill?

Solution:

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



Exercise 3: The Box

For the holidays, my dad bought some bottles of wine that came packed in a box with a base in the shape of a rhombus with diagonals of 47 cm and 40 cm.

Question: What is the area of the base of the box?

Solution:

$$\text{Area} = 47 \text{ cm} * 40 \text{ cm} = 1880 \text{ cm}^2 / 2 = 940 \text{ cm}^2$$



HOW DID YOU DO?

