ANSWERS
AREA OF TRAPEZOIDS

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

Exercise 1: The Popsicle

Juanito drew a popsicle in his notebook in the shape of a trapezoid, which has a larger base of 4 cm, a smaller base of 2 cm, and a height of 3.5 cm.

Question: What is the area of the drawing of the popsicle?

Solution:

Area = (4 cm + 2 cm) * 3,5 cm / 2
6 cm * 3,5 cm / 2
21 cm2 / 2
10,5 cm2

Exercise 2: The Bucket

Grandmother uses a bucket with a base in the shape of a trapezoid to collect rainwater. The larger base is 31 cm, the smaller base is 25 cm, and the height is 19 cm.

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

Solution:

Area = (31 cm + 25 cm) * 19 cm / 2
56 cm * 19 cm / 2
1064 cm2 / 2
532cm2

Exercise 3: The Perfume

The perfume that my sister uses has a sticker with her name in the shape of a trapezoid, which has a larger base of 6 cm, a smaller base of 4 cm, and a height of 5 cm.

Question: What is the area of the perfume's sticker?

Solution:

Area = (6 cm + 4 cm) * 5 cm / 2
10 cm * 5 cm / 2
50 cm2 / 2
25cm2

How Did You Do? ☺ 😐 ☹