

# K Education Centre

## GCSE Maths - Foundation

Area and Volume -1

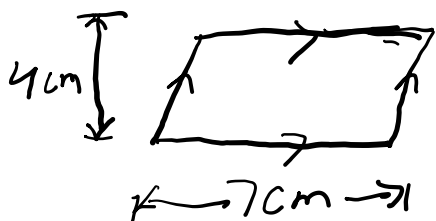
Assignment Questions

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Year 2024

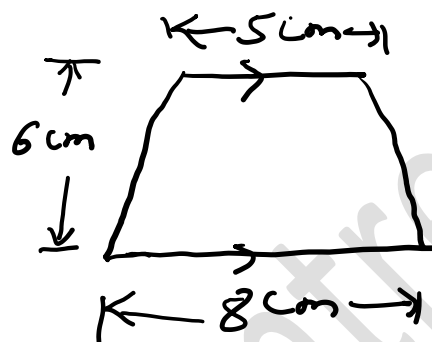
## Area and Volume -1

Q1: Find the area of following shapes.

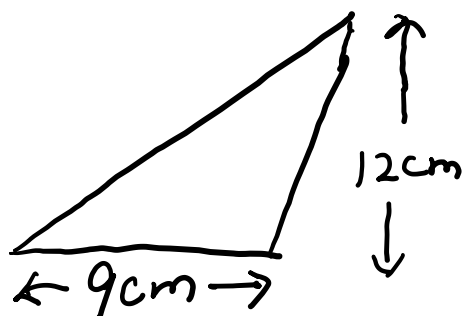
a)



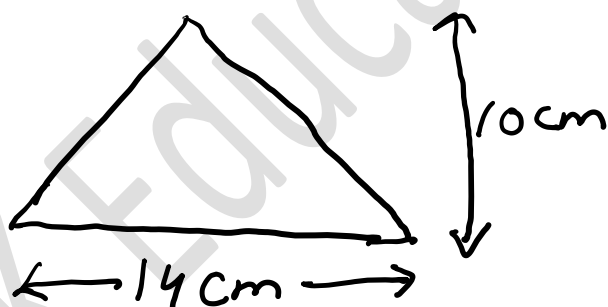
b)



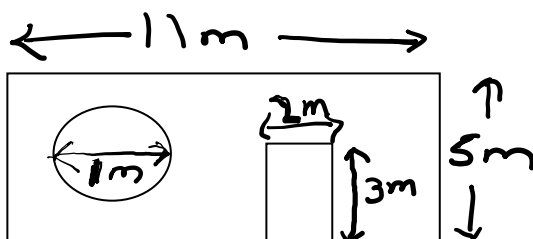
c)



Q2: The area of the triangle is 6 times that of the square. Calculate the length of side  $x$ .

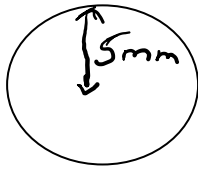


Q3: A small tin covers area of  $2 \text{ m}^2$ . Thomas wants to paint a wall with a door and circular window as shown in the diagram. How many of these tins he needs to buy.

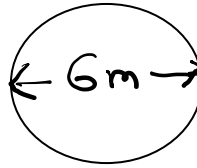


Q4: Work out the area of the following in terms of  $\pi$ .

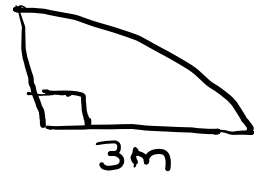
a)



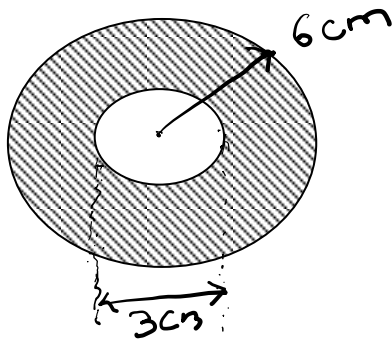
b)



c)

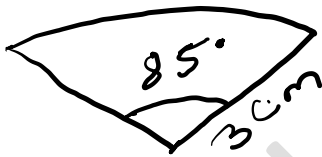


Q5: Work out the area of the shaded region.

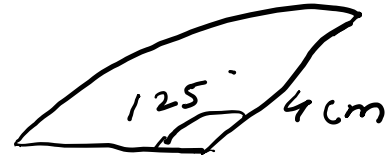


Q6: Calculate the arc lengths and area of the following sectors of circles.

a)

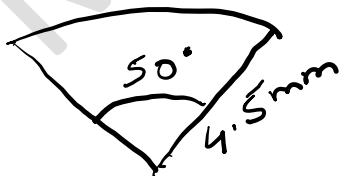


b)



Q7: Find the perimeter of the following.

a)



b)

