

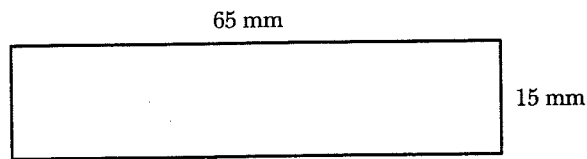
Test 15

1. State whether each situation involves an area or a perimeter.

- a) Measuring an object's outline. _____
- b) Calculating the amount of paint needed to cover a wall. _____

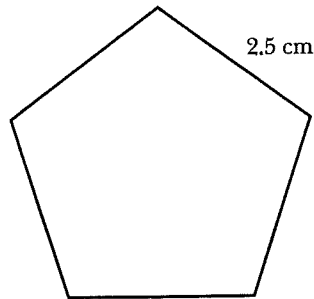
2. Calculate the perimeter of these two polygons.

a)



_____ Answer: _____ mm

b)

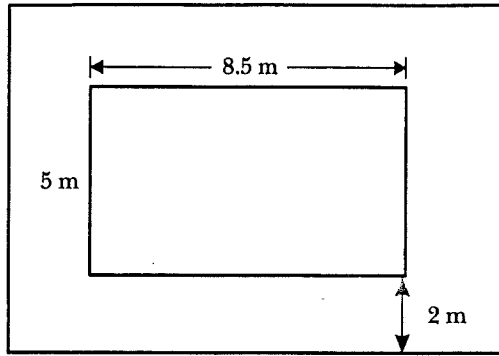


_____ Answer: _____ cm

3. A rectangular house has 45 m of eavestrough around the perimeter of its roof. If the house is 15 m wide at the front, how long is it?

_____ Answer: _____ m

4. A zoo wants to build a rectangular animal cage with the following dimensions:



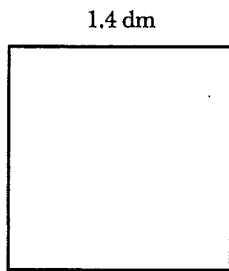
The 5 m by 8.5 m inside cage is to be surrounded by a security fence located 2 m from the sides of the cage.

Calculate the length of fencing needed for the entire project.

Answer: _____ m

5. Write the rule for calculating the area of each figure, then apply it using the given measures.

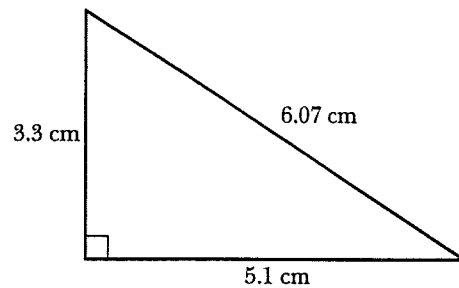
a)



Rule: _____

Area: _____

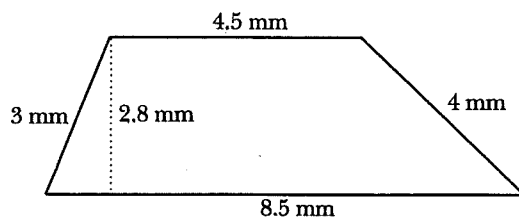
b)



Rule: _____

Area: _____

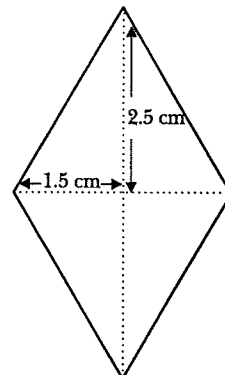
c)



Rule: _____

Area: _____

d)



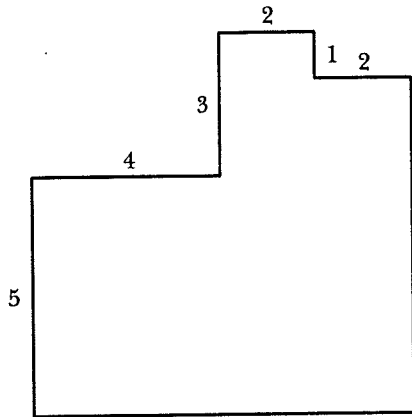
Rule: _____

Area: _____

6. A rectangular desk measures 41 cm by 91 cm. Calculate its area in square decimetres.

_____ Answer: _____ dm^2

7. Calculate the perimeter and area of the following figure:

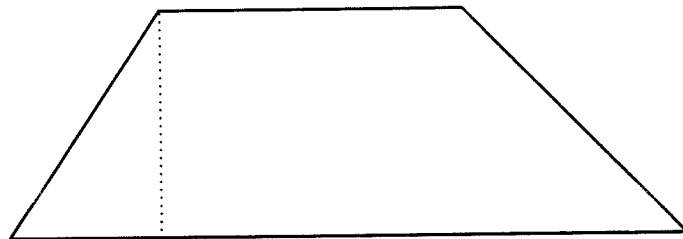


Perimeter: _____

Area: _____

8. Estimate the area of this polygon in square centimetres.

— = 1 cm



Calculation

Answer: _____ cm^2