



Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Problem Sum Worksheet**

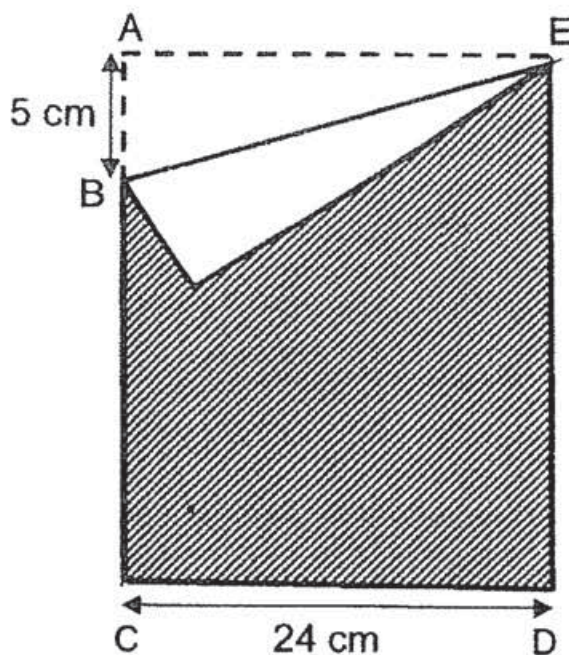
**Topic : Area and Perimeter**

**Video Solution:** <http://www.omyclassroom.com/a-p-56.html>



Topic 1 : Folded Triangle - Qn 1 (Difficulty: Medium)

The figure below shows a rectangular piece of paper  $ACDE$  with an area of  $744 \text{ cm}^2$ . It is folded along  $EB$ . What is the area of the shaded figure?

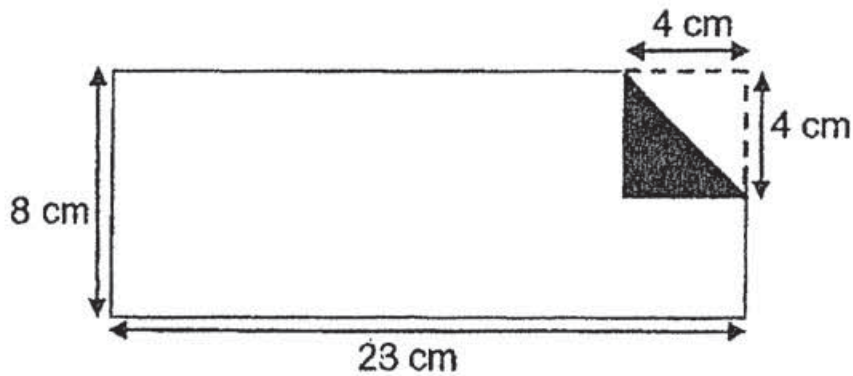


Topic 2 : Most number of shapes cut from a piece of paper - Qn 2  
(Difficulty: High)

The figure below shows a rectangular piece of paper with one of its corners folded.

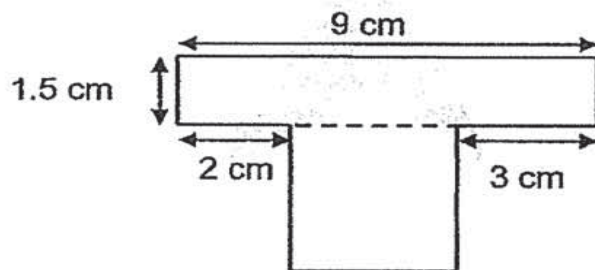
a) Find the area of the shaded triangle.

b) The length of the paper is 23 cm and the breadth is 8 cm. what is the greatest number of such triangles that can be cut out from the piece of paper?



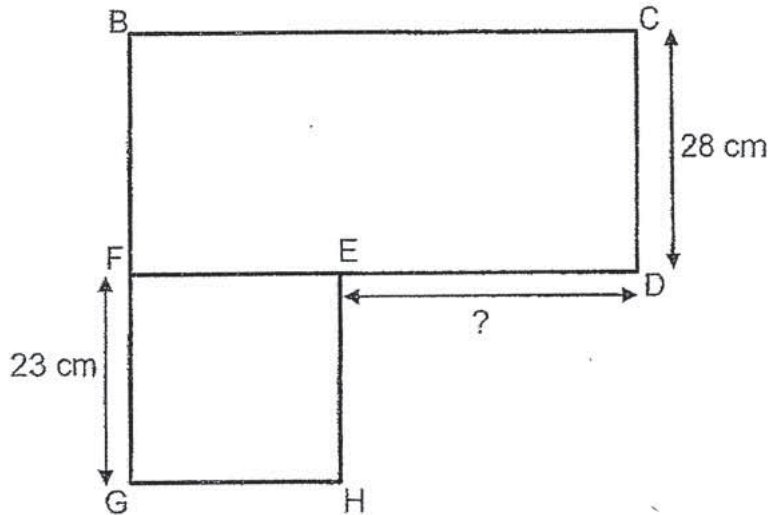
Topic 3 : Square and Rectangle Qn 1 (Difficulty: Low)

The figure below is made up of a rectangle and a square. Find the area of the figure.



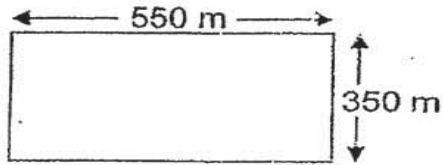
Topic 3 : Square and Rectangle Qn 2 (Difficulty: Low)

The figure below is made up of a rectangle BCDF and a square FGHE.  
The area of the figure is  $2097 \text{ cm}^2$ . What is the length of ED?



Topic 3 : Square and Rectangle Qn 3 (Difficulty: Low)

Mr Lee wants to fence his rectangular farm measuring 550 m by 350 m. The fence costs \$15 per metre. How much does he have to pay in total to fence his rectangular farm?



Topic 3 : Square and Rectangle Qn 4 (Difficulty: Medium)

13. The figure below shows a rectangular piece of paper with 2 squares cut out. The side of the bigger square is 4 cm and the side of the smaller square is 2 cm. The area of the remaining piece of paper is  $78 \text{ cm}^2$ . What is the perimeter of the remaining piece of paper?

