

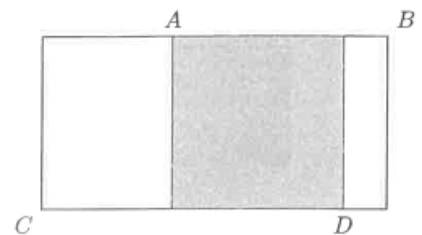
**Subject 32**

**GEOMETRY**

*Please do not write on this exam paper and give it back at the end of the test*

**Ex1 :**

There is a shaded square inside a rectangle as shown.  
It is 6 cm wide from A to B and 8 cm long from C to D.  
What is the perimeter of the large rectangle?



**Ex2 :**

PQRS is a rectangle whose area equals  $120 \text{ cm}^2$ .  
Point T divides side QR into two equal segments.  
Point U divides side PQ such as  $UQ = 2PU$ .  
Point V divides side SP such as  $VP = 3SV$ .  
Point W divides side RS such as  $WS = 4RW$ .  
Find the area of quadrilateral TUVW.

