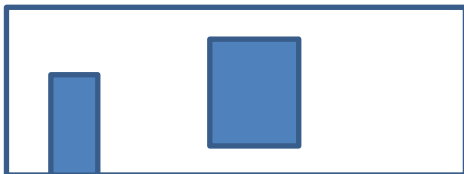<p style="text-align: center">**Worksheet on area and perimeter**</p>

Complete the following Word Problems. Show your work and write your answer in a sentence – draw a picture when necessary.

1) Betty is going to cover the top of her desk with plastic laminate and put a trim around the outside edges. The trim can be bought in 1cm units at $.23/cm and the laminate, cut to the size required, can be bought for $8.50/cm^2. What will it cost to laminate her desk and put trim around it if her rectangular desk measures 60cm x 40cm.?

2) The community of Sackville is building a new recreational field and wants to plant grass and put a fence around it. Grass seed costs $0.03/m and fencing costs $0.65/m. How much will it cost to seed and fence the 75m by 40m field?

3) A tablecloth, 220cm by 440cm, is to be trimmed with lace. The lace costs $0.87/m. What is the cost of the lace required?

4) A metal garage door, 3.1m by 2.9m, contains a window 2.0m by 0.4m. What is the area of the metal in the door?

5) A photograph, 20cm by 25cm, is placed in a frame 3cm wide.
   a) What is the area of the photograph?
   b) What is the area of the framed photograph?
   c) What is the area of the frame only?

6) A section of a city street, 225m long and 22m wide, is to be resurfaced. Curbing costs $3.04/m and paving $14.27/m^2. Find the total cost of the work.

7) A rectangular plot, 21m by 14m, is to be turned into a rectangular flower bed with a grass border around its outside edge. The grass border is to be 2m wide. What is the area of the flower bed? What is the area of the grass border?

8) The diagram shows one wall of a house with the dimensions 3.0m by 10m. The door is 2.0m by 1.2m, the window 2.1m by 1.5m. Insulation costs $2.79/m^2. What is the cost for insulation for this wall?

9) An L-shaped living room has the dimensions shown (15m long, 12m wide). The carpeting chosen for it costs $14.95/m^2. What is the cost of carpeting the room?

5 m

12 m

4 m

15 m