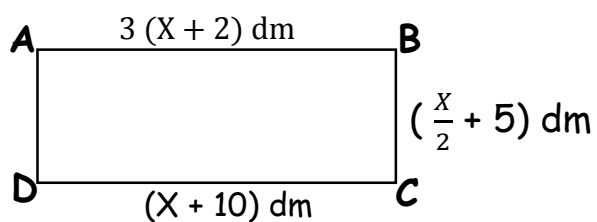


**MOTHECARE PREPARATORY SCHOOLS**  
**HOLIDAY WORK - WEEK THREE**  
**P.6 MATHEMATICS**

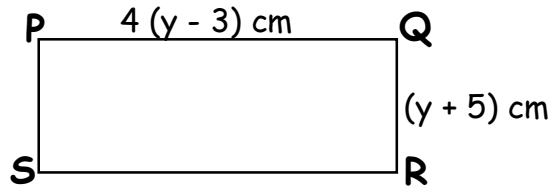
Name: \_\_\_\_\_ Stream: \_\_\_\_\_

1. ABCD is a rectangle. Study it and use it to answer questions that follow;



- a) Calculate the value of X.
- b) Calculate the area of the figure.
- c) Find the perimeter of the rectangle.

2. Below is a polygon.



a) If the difference between PQ and PS is 10cm. Find the value of the unknown.

b) Calculate the area of the polygon.

c) Calculate the perimeter of the figure.

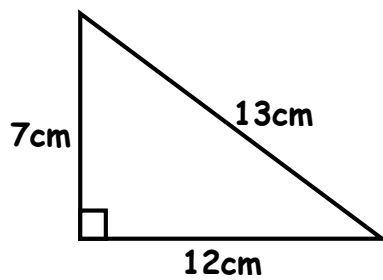
d) Name the polygon above.

3.a) The perimeter of a square is 64cm. Calculate its area.

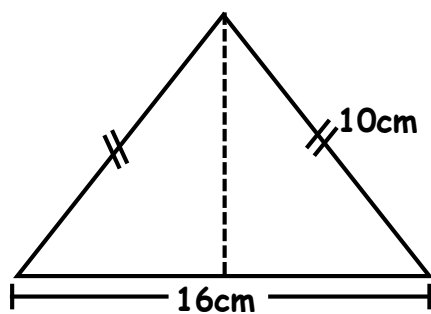
b) Find the perimeter of a rectangle whose area is  $48\text{m}^2$  with a length of 8m.

4. Calculate the area the figures below;

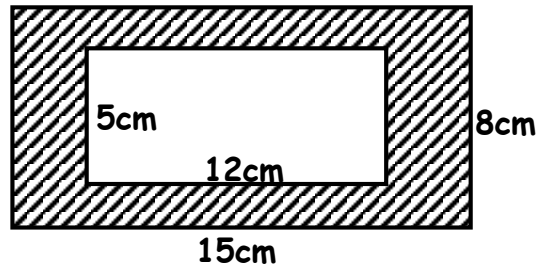
a)



b)

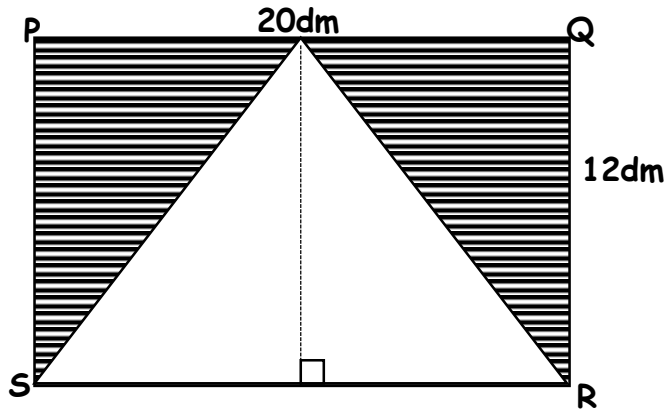


5. A newly constructed room was covered with a carpet as illustrated below.



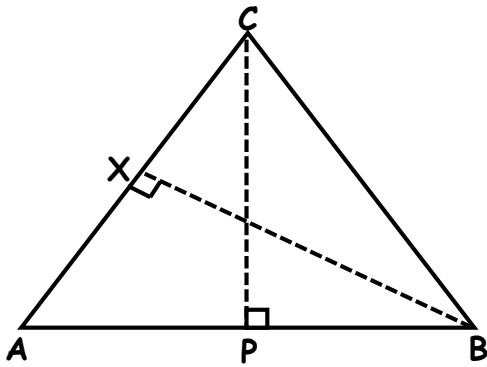
- a) Calculate the area of the carpet.
- b) Find the area of the room.
- c) Calculate the area of the room that was not covered by the carpet.

6. Study the figure below;

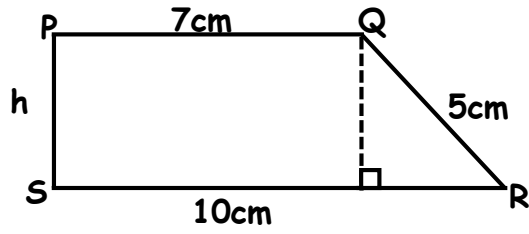


a) Find the area of the shaded region.

7. It is given that  $AC = 14\text{cm}$ ,  $BX = 8\text{cm}$ ,  $AB = 20\text{cm}$ . Find the length of  $CP$ .



8. Study the figure below.



a) Find the value of h.

b) Calculate the area of the figure.

9. Find the area of a circle whose circumference is 88cm.

10. Calculate the perimeter of a circle whose radius is 14dm.

-End-