

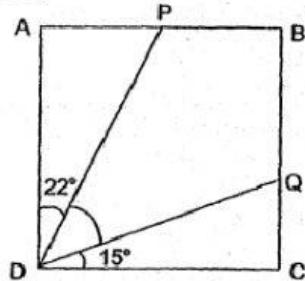


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**Section A: Multiple Choice Questions**

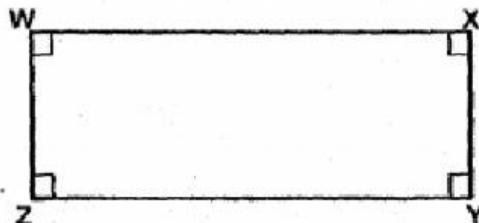
**Choose the most suitable answer and write it in the brackets provided.**

1. ABCD is a square. Find  $\angle PDQ$ .



(a)  $23^\circ$  (c)  $37^\circ$   
(b)  $30^\circ$  (d)  $53^\circ$  (      )

2. WXYZ is a rectangle. How many pairs of parallel lines are there?



(a) 1 (c) 3  
(b) 2 (d) 4 (      )

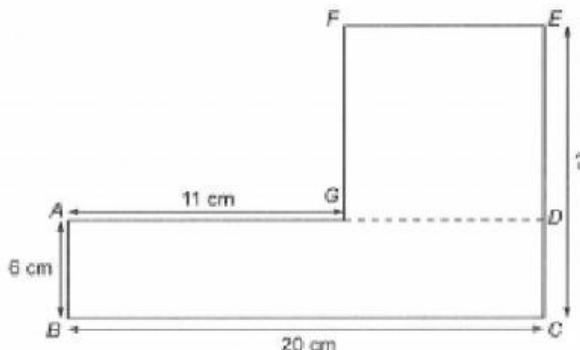
3. Henry is facing east. He made a turn in an anticlockwise direction and is now facing south. How many right angles did he turn?

(a) 1 (c) 3  
(b) 2 (d) 4 (      )

4. Ryan is facing east. If he turns  $315^\circ$  anticlockwise, which direction will he face?

(a) North-east (c) South-east  
(b) North-west (d) South-west (      )

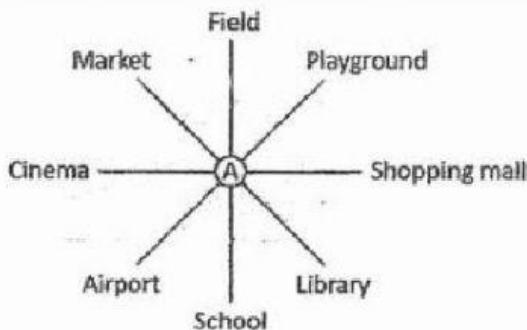
5. The figure below is not drawn to scale. It is made up of a square and a rectangle. Find the length of CE.



(a) 9 cm (c) 15 cm  
 (b) 12 cm (d) 18 cm ( )

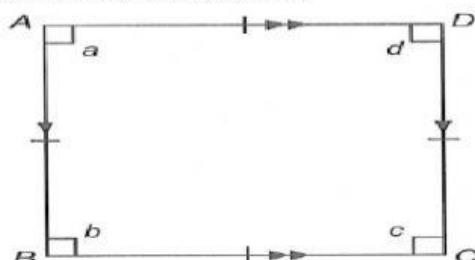
6. Adrian is standing at Point A and facing the library.

He makes a  $\frac{3}{4}$  turn anti-clockwise. Where is Adrian facing now?



(a) playground (c) airport  
 (b) market (d) cinema ( )

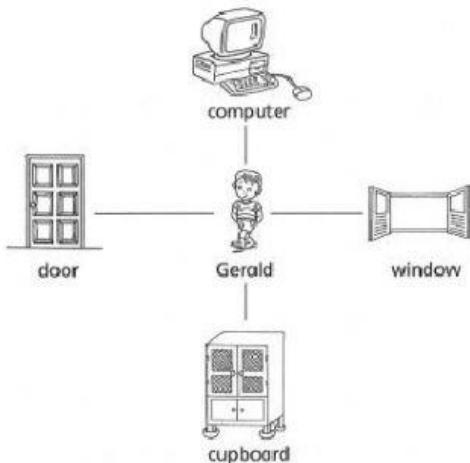
7. ABCD is a rectangle. Which statement is incorrect?



(a) All sides are equal  
 (b) Opposite sides are parallel (c) All angles are right angles  
 (d) Opposite sides are equal

( )

8. Gerald is facing the door. He turns 3 right angles in an anticlockwise direction.  
What will he be facing?



(a) door (c) window  
(b) cupboard (d) computer ( )

9. Joe is facing north-east. Which direction will she face if she makes a  $\frac{1}{4}$  turn anticlockwise?

(a) North-east (c) South-east  
(b) North-west (d) South-west ( )

10. The clock shows 9 o'clock. What is the angle that is formed by the minute hand when it is 9.30?

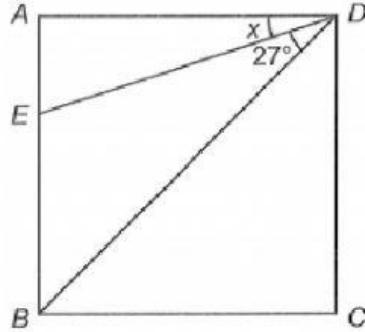


(a)  $90^\circ$  (c)  $270^\circ$   
(b)  $180^\circ$  (d)  $360^\circ$  ( )

**Section B. Short-Answer Questions**

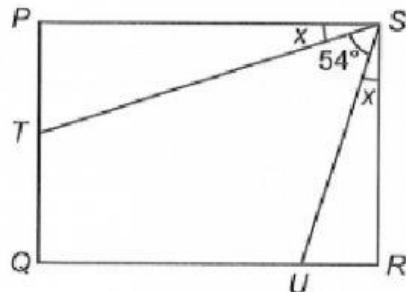
11. Study the figures below. Fill in the blanks.

a. ABCD is a square.



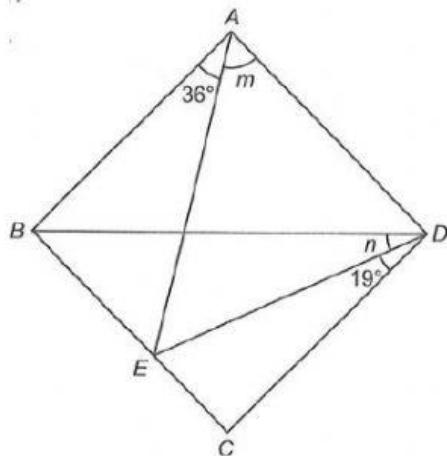
$$\angle x = \underline{\hspace{2cm}}^\circ$$

b. PQRS is a rectangle.



$$\angle x = \underline{\hspace{2cm}}^\circ$$

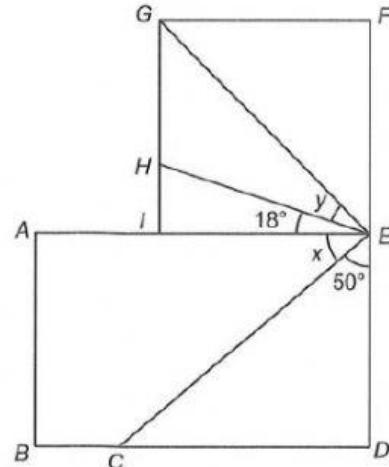
c. EFGJ and IHGJ are identical squares.



$$\angle m = \underline{\hspace{2cm}}^\circ$$

$$\angle n = \underline{\hspace{2cm}}^\circ$$

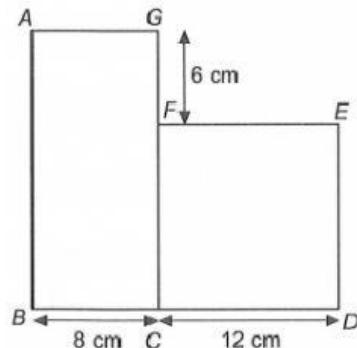
d. EFGI is a square and ABDE is a rectangle.



$$\angle x = \underline{\hspace{2cm}}^\circ$$

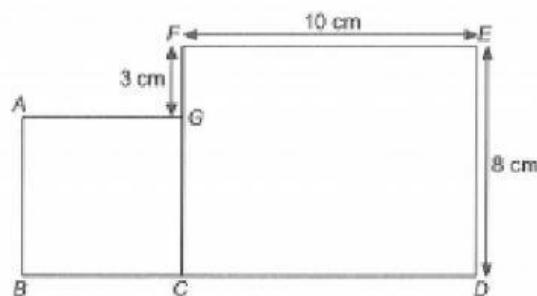
$$\angle y = \underline{\hspace{2cm}}^\circ$$

12. The figure below is made up of a square and a rectangle. Find the length of AB.



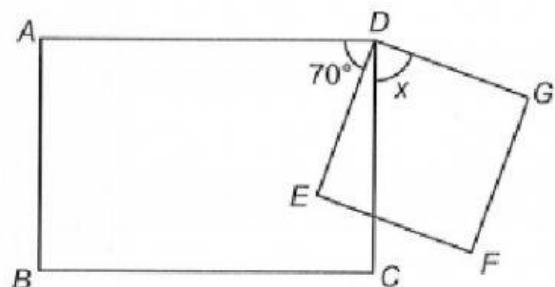
Ans:

13. The figure below is not drawn to scale. It is made up to a square ABCG and a rectangle CDEF. Find the length of BD.



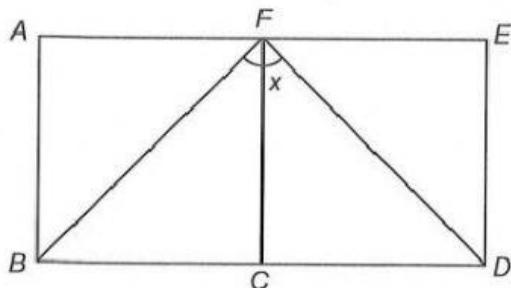
Ans: \_\_\_\_\_ cm

14. ABCD is a rectangle and DEFG is a square. Find  $\angle x$ .



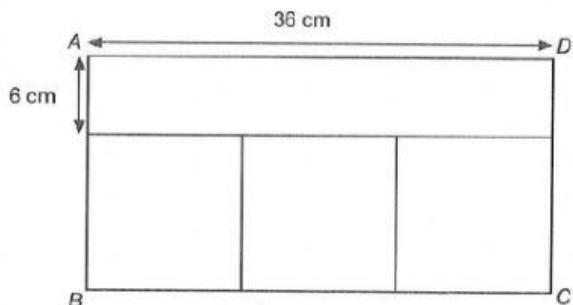
Ans: \_\_\_\_\_

15. ABCF and CDEF are squares. Find  $\angle x$ .



Ans: \_\_\_\_\_

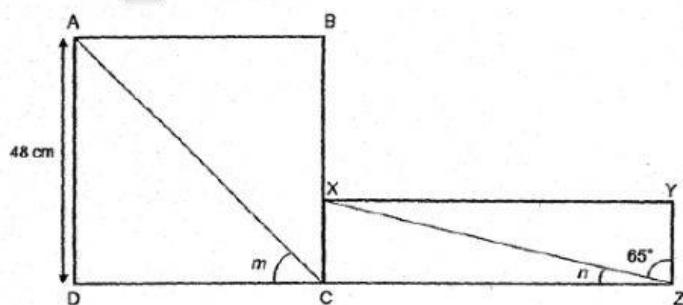
16. Rectangle ABCD below is made up of a rectangle and 3 identical squares. Find the length of CD.



Ans: \_\_\_\_\_

17. The figure below is made up of a square ABCD and a rectangle XYZC. BX is twice as long as XC and  $AD = 48$  cm.

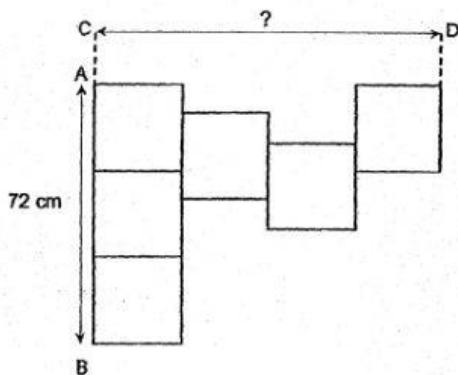
a. Find the length of XC.  
b. Find the sum of  $\angle m$  and  $\angle n$ .



Ans: a. \_\_\_\_\_

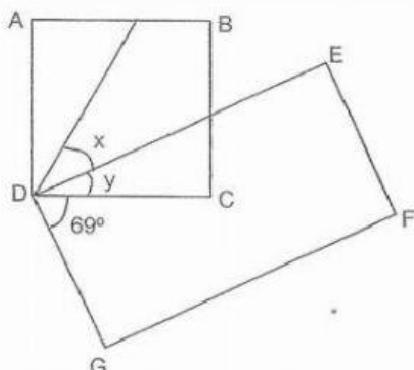
b. \_\_\_\_\_

18. The figure below is made up of identical squares. The length of AB is 72 cm. Find the length of CD?



Ans: \_\_\_\_\_

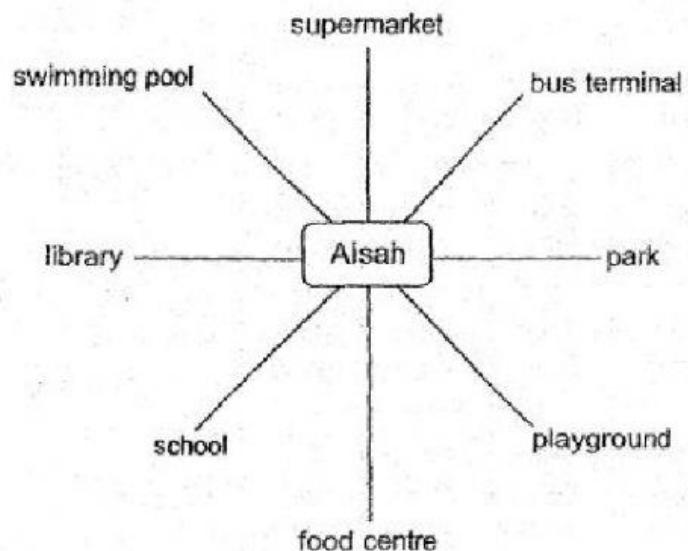
19. The figure is made up of a square ABCD and a rectangle DEFG.  
 $\angle CDG$  is  $69^\circ$ .  $\angle x$  is twice of  $\angle y$ . Find  $\angle x$  and  $\angle y$



Ans:  $\angle x = \text{_____}^\circ$

$\angle y = \text{_____}^\circ$

20. Fill in the blanks.



Aisah is facing the	If he turns	he will be facing the
a. food center	225° anticlockwise	_____
b. library	_____ clockwise	playground
c. _____	135° anticlockwise	park
d. school	90° _____	Swimming pool

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