

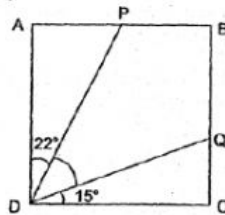


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Section A: Multiple Choice Questions

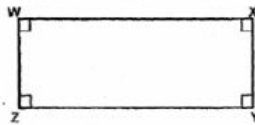
Choose the most suitable answer and write it in the brackets provided.

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



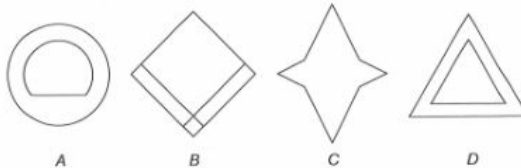
- (a) 23° (c) 37°
(b) 30° (d) 53° ()

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



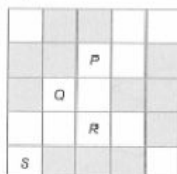
- (a) 1 (c) 3
(b) 2 (d) 4 ()

3. Which of the following figures have more than 1 line of symmetry?



- (a) A and B only (c) B and C only
(b) A and D only (d) C and D only ()

4. Which square P, Q, R, or S must be shaded to make the figure symmetrical?

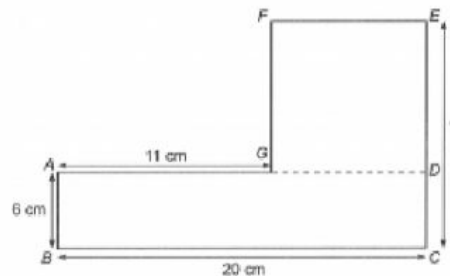


- (a) P (c) R
(b) Q (d) S ()



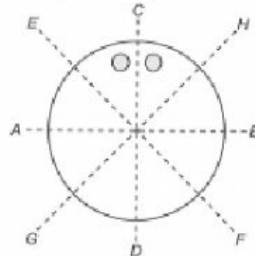


5. The figure below is not drawn to scale. It is made up of a square and a rectangle. Find the length of CE.



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

6. Which of the lines is the line of symmetry for the figure?



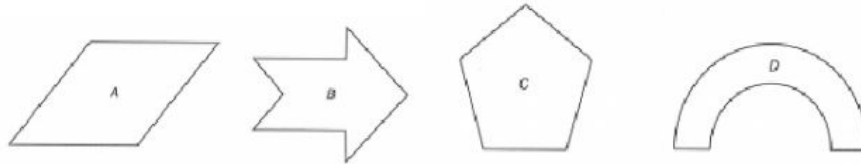
- (a) AB (c) EF
(b) CD (d) GH ()
7. Which of the following is a symmetrical image of the given figure along the line of symmetry AB?



- (a) (c)
(b) (d) ()

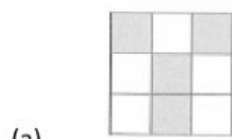


8. Which of the following is a symmetric figure?



- (a) A only
(b) B and D only
(c) B, C, and D only
(d) A, B, C and D ()

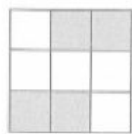
9. Study the figures below. Which one is not a symmetric figure?



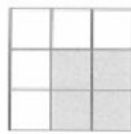
(a)



(c)



(b)



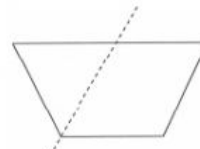
(d)

()

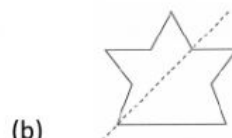
10. In which of the figures below is the dotted line a line of symmetry?



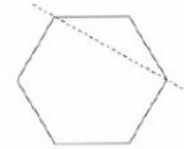
(a)



(c)



(b)



(d)

()

11. Which one of the following letters below has 2 lines of symmetry?



(a)

(b)



(c)

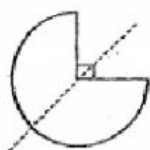
(d)

()





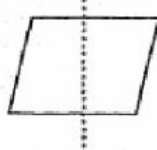
12. Which of the following figures have their lines of symmetry drawn correctly?



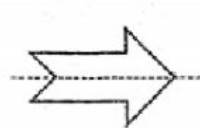
A



B



C



D

- (a) A and B
(c) B and C

- (b) A and D
(d) C and D

()

Section B. Short-Answer Questions

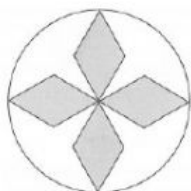
13. How many lines of symmetry are there in each of the following?

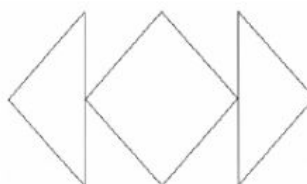






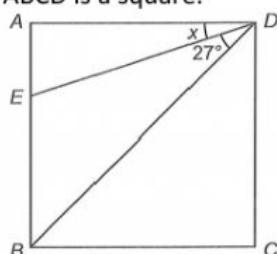






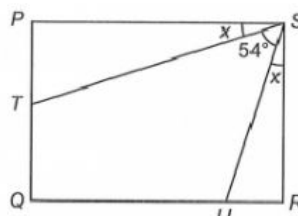
14. Study the figures below. Fill in the blanks.

- a. ABCD is a square.



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

- b. PQRS is a rectangle.

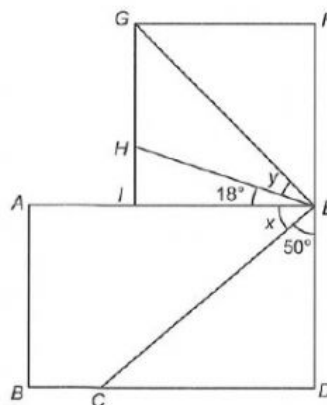


$\angle x = \underline{\hspace{2cm}}^\circ$



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- A rhombus $ABCD$ is shown with diagonals AC and BD intersecting at E . The vertices are labeled A at the top, C at the bottom, B on the left, and D on the right. Diagonal AC connects A and C , and diagonal BD connects B and D . They intersect at point E . Angle BAC is labeled 36° . Angle EDC is labeled 19° . Angle AED is labeled m . Angle BDE is labeled n .

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



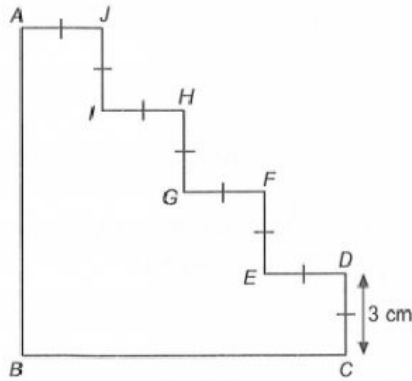
$$\angle y = \underline{\hspace{2cm}}^\circ$$

-

Ans: _____ cm

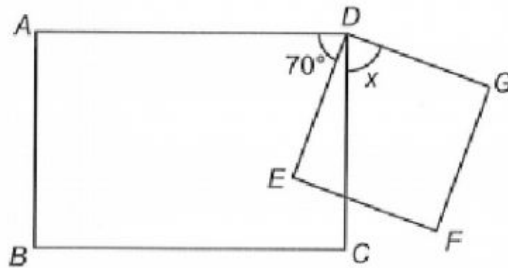


17. All lines in the figure below meet at right angles. Find the total length of AB and BC.



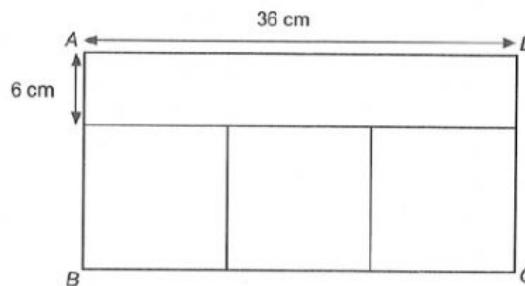
Ans: _____

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



Ans: _____°

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



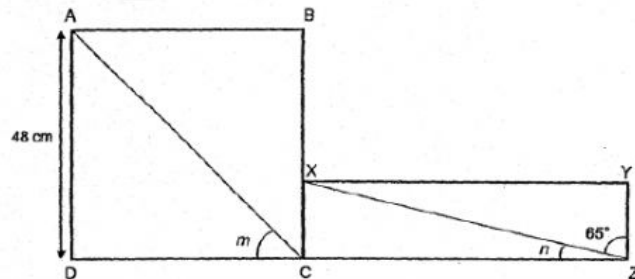
Ans: _____





20. 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.

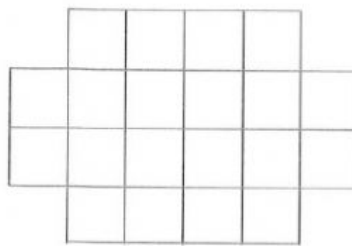
- a. Find the length of XC.
b. Find the sum of $\angle m$ and $\angle n$.



Ans: a. _____

b. _____

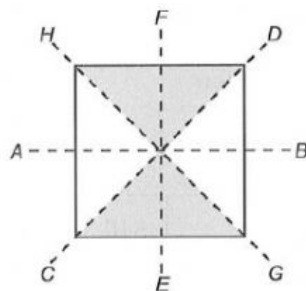
21. How many squares are there in the figure below?



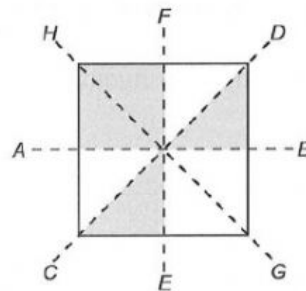
Ans: _____

22. Write down all the lines of symmetry of each figure.

(a)



(b)



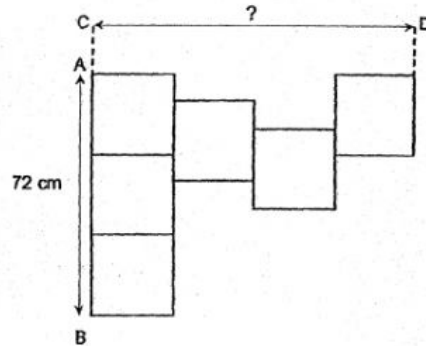
Ans: a. _____

b. _____



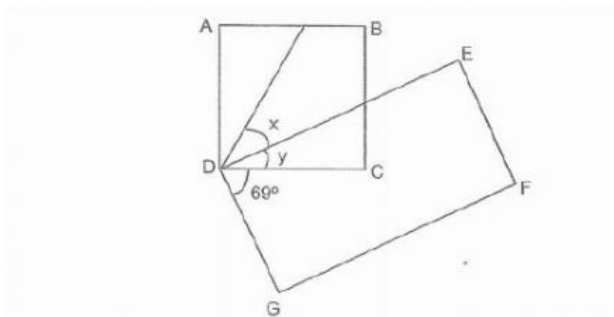


23. The figure below is made up of identical squares. The length of AB is 72 cm. Find the length of CD?



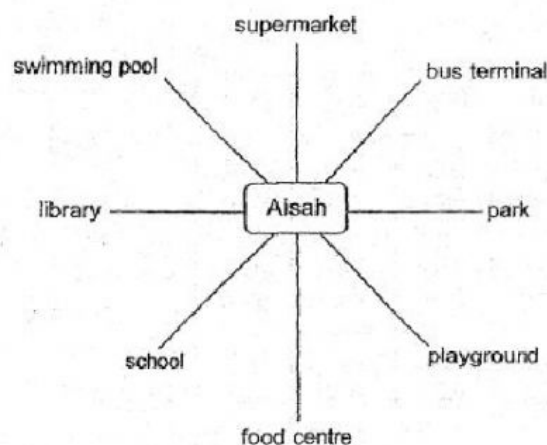
Ans: _____

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



Ans: _____

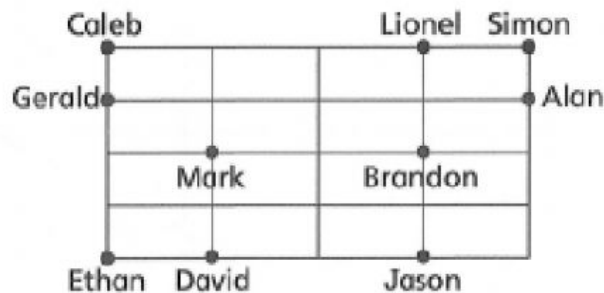
25. Fill in the blanks.





	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

26. Look at the diagram below and answer the following questions.



a. Norman walks from David's house to Mark's house. He then makes a $\frac{1}{4}$ turn to his right and walks to _____'s house. After that, Norman makes an anticlockwise $\frac{1}{4}$ turn and walks to _____'s house. Finally, he makes a $\frac{1}{2}$ turn before walking to the end of the line.

b. Whose house will Norman be at the end of his journey?

Ans: _____'s house

c. If Norman had started his journey at Simon's house to Alan's house and made the same turns, whose house would he end up at?

Ans: _____'s house

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