Form 1

Chapter 10 : Perimeter and Area

TEACHER'S NAME:

NAME:

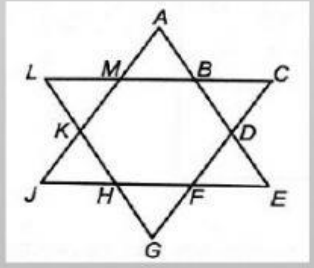
CLASS:

10.1 PERIMETER

NOTES

- **Perimeter is the sum of the lengths of the sides surrounding an enclosed area.**

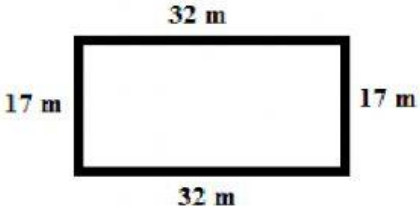
A Mark / on the correct perimeter and X if not.



AE + EJ + JA + LC + CG + GL	
BD + DF + FH + HK + KM + MB	
AB + BC + CD + DE + EF + FG + GH + HJ + JK + KL +LM + MA	

B Calculate the perimeter for the situation below

Mr Hassan has a rectangular goat pen. The width of the cage is 17 m and the length is 32 m. Mr Hassan wants to fence his goat pen. Calculate the length of the fence required by Mr Hassan.

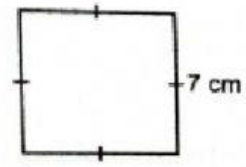


Perimeter = _____ m

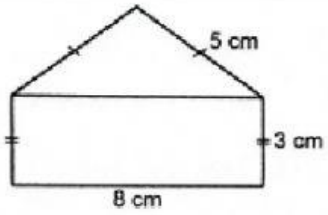
LIVEWORKSHEETS

C Determine the perimeter of the following shape. (Drag answer choices into the answer space)

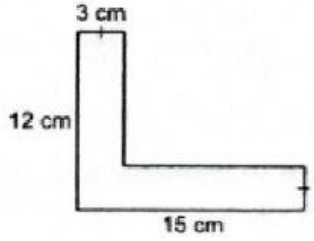
60 cm	24 cm	28 cm	54cm	26 cm	72 cm



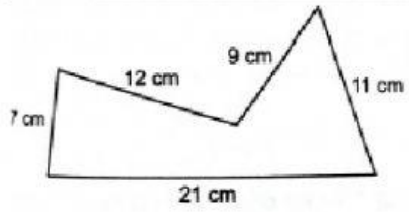
Perimeter = _____



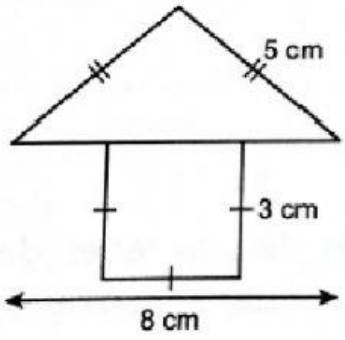
Perimeter = _____



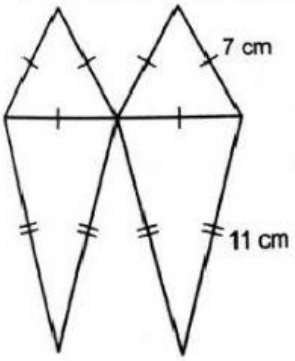
Perimeter = _____



Perimeter = _____



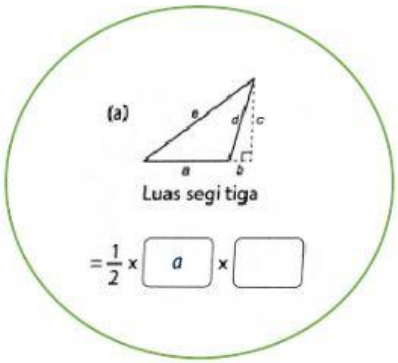
Perimeter = _____

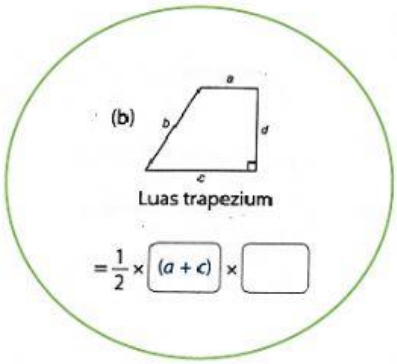


Perimeter = _____

10.2 AREA OF TRIANGLES, PARALLELOGRAM, KITES AND TRAPEZIUM

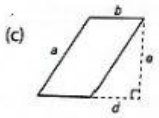
D Fill in the blanks for the formula below.





LIVEWORKSHEETS

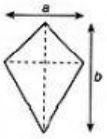
(c)



Luas segi empat selari

= ☐ × e

(d)

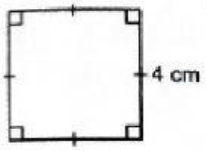


Luas lelayang

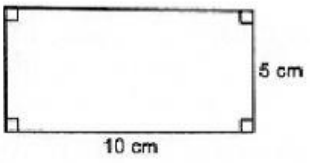
$= \frac{1}{2} \times$ ☐ × b

E Determine the area of the shape below. (Drag answer choices into the answer space)

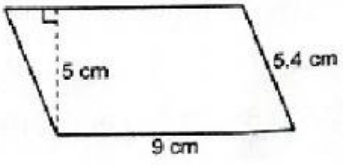
45 cm^2	24 cm^2	42 cm^2	16 cm^2	5. 4cm	50 cm^2



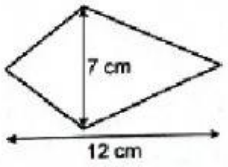
Luas = _____



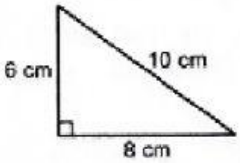
Luas = _____



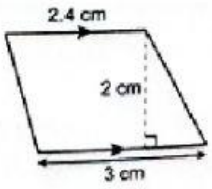
Luas = _____



Luas = _____



Luas = _____

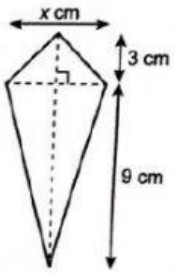


Luas = _____

LIVEWORKSHEETS

F Solve. (Choose 1 answer)

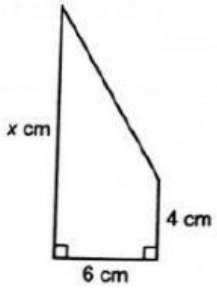
a) Given the area is $30cm^2$. Find the value of x.



7 cm | 9 cm

5 cm | 3 cm

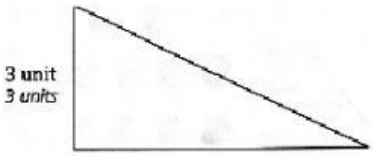
b) Given the area is $57cm^2$. Find the value of x.

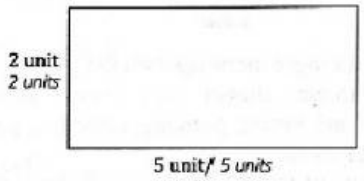


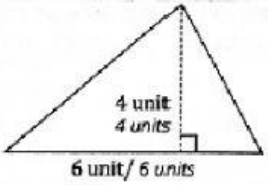
11 cm | 15 cm

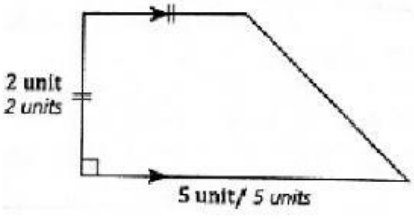
17 cm | 19 cm

G Match the shape to the correct area

a)


b)


c)


d)


10 units

12 units

9 units

7 units

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H Mark / for the area that can be calculated with the formula and mark X for those that cannot.

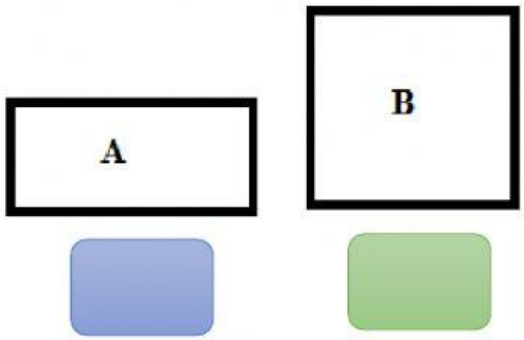
a) Leaf shape	
b) Triangles	
c) Quadrailaterals	
d) The shape of water droplets	

10.3 RELATIONSHIP BETWEEN PERIMETER AND AREA

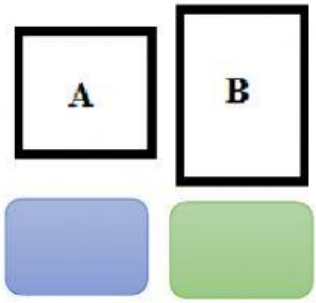
NOTES

- For a rectangle with the same perimeter, if the difference between the length and width of a rectangle is larger, then the area is smaller.

I Solve.

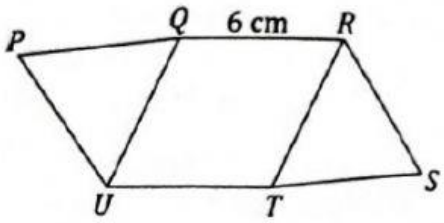
a	The perimeters of rectangle A and rectangle B in the figure below are the same. Mark / on a rectangle that has a larger area? 

LIVEWORKSHEETS

b	The areas of rectangle A and rectangle B in the figure below are the same. Mark / on a rectangle that has a larger perimeter? 

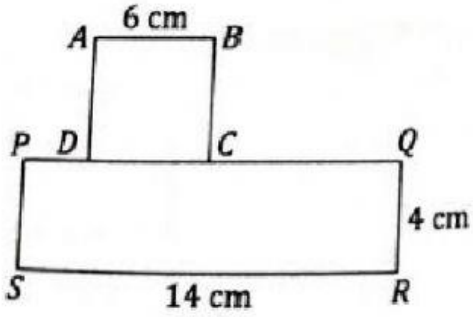
J Exercises.

a) In the diagram , QRTU is a rhombus. PQU and RST are equilateral triangles.



Find the perimeter, of whole diagram. _____ cm

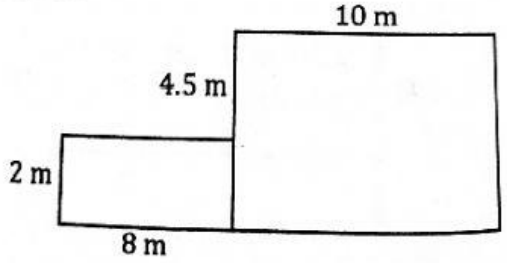
b) The diagram shows an equilateral rectangle ABCD and a rectangle PQRS.



Find the perimeter, of whole diagram. _____ cm

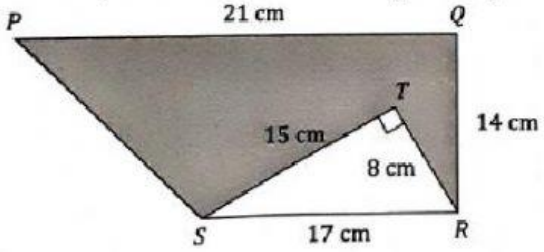
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c) **The diagram shows a plan of two rooms with a rectangular floor. The cost of installing floor tiles is RM 23 per square meter. What is the total cost to install the tiles for the two rooms?**



KOS = RM _____

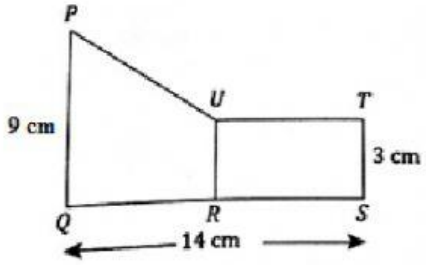
d) **PQRS is a trapezium and RST is a right -angled triangle.**



Find the areas, in cm^2, of the shaded region.

_____ cm^2

e) **PQRU is a trapezium and RSTU is a rectangle. R is the midpoint of QS.**



Find the area of whole diagram _____ cm^2

LIVEWORKSHEETS