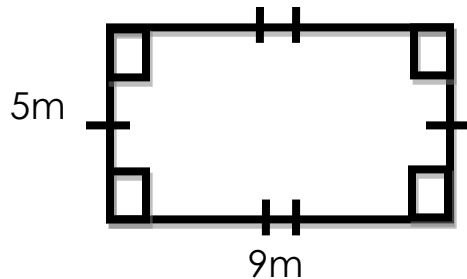


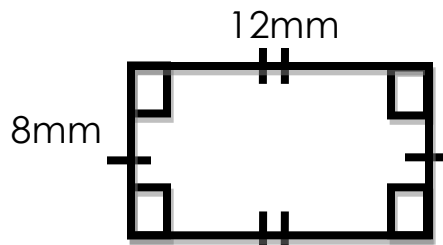
ROAD TO SUCCESS SET EIGHT

SECTION A (20MARKS)

1. Work out : $735 \div 3$
2. Given that $K=\{m,a,n\}$.List all the subsets of set K.
3. Given that $M=\{\text{first 4 odd numbers}\}$.list all the members of set M and find the number of subsets in set M.
4. If L has 16 subsets, how many members are in set L?
5. Given that R has 15 proper subsets, find $n(R)$.
6. Find the total the total distance round the figure below:

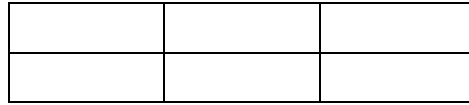


7. Aaron ran round the shape below **thrice**. Find the distance he Covered.



8. Round off 758 to the nearest tens using a numberline.

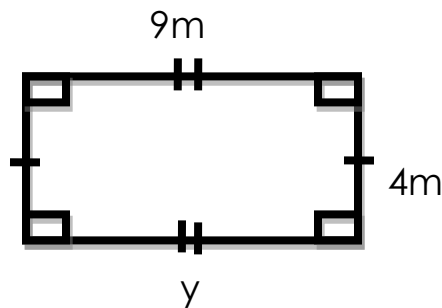
9. Un-shade $\frac{2}{3}$ of the diagram below.



10. Solve : $30 \div \square = 6$

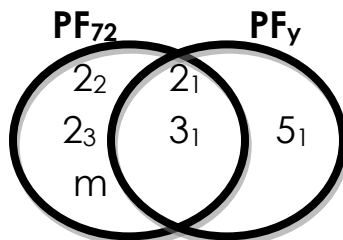
SECTION B 30 MARKS

11. Study the diagram below carefully and use it to answer the questions that follow.



- Find the value of y . (1 mark)
 - Find the area of the above figure. (2marks)
 - If Raymond ran round the figure above **twice**, calculate the total distance he covered. (2marks)
12. Given that $P = \{\text{first five letters of the alphabet}\}$.
 $Q = \{a, e, i, o, u\}$
- Find set P . (1mark)
 - Draw a venn diagram to show the two sets. (3 marks)
 - Find $n(P \cap Q)$ (2marks)

13. A parent distributed 1,549 sweets among 6 children equally
- How many sweets did each child get? **(2marks)**
 - How many sweets did the parent remain with? **(1mark)**
 - The quotient of the value of 4 and the place value of 9 in the numeral 7.495 is the age of Kaweesi.
How old is Kaweesi in Roman numerals. **(2marks)**
14. a) Find the square of 25. **(2 marks)**
b) Find the square root of 144. **(2marks)**
15. a) Prime factors of 18 and 24 and write the prime factors of each in set notation. **(3marks)**
b) Draw a venn diagram and show the prime factors of 18 and 24 **(2marks)**
16. Study the venn diagram below and use it answer the questions that follow.



- Find the value of :
 - y **(1mark)**
 - m **(2marks)**
- Find the L.C.M of PF_{72} and PF_y **(2marks)**

END

