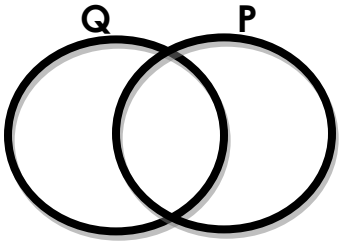
ROAD TO SUCCESS (SET NINE)

SECTION A 30MARKS

1. Shade (P ∩Q) complement in the venn diagram below.



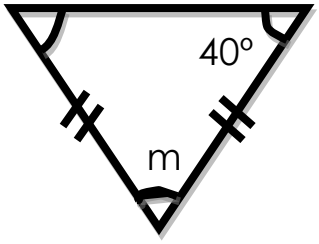
2. Doudle the next number in the sequence 2,3,5,7, ____

3. Jordan sat in a bus for 720 minutes from Kampala to Kitugum. For how long was he in the bus in hours?
4. Subtract :

kg	g
13	320
-6	800

5. At Mukyiga's shop, the cost of one dozen of books is sh.13,200. How much will Kony pay for 7 similar books?
6. Express $\frac{2}{5}$ as a decimal number .
7. Josiah is 49 years old. Write his age in Roman numerals.
8. Kyomuhendo was born in MCMXXVII and died in the year MMXXI. How old was she by the time she died?
9. A rectangular field measures 50metres long and 20metres wide. If an athlet ran round the field for 4 laps, calculate the total distance covered by the athlet.
10. Write in short form; 7 - 3 + 5
11. Given that Q={cat}.List and find the number of subsets in Q.

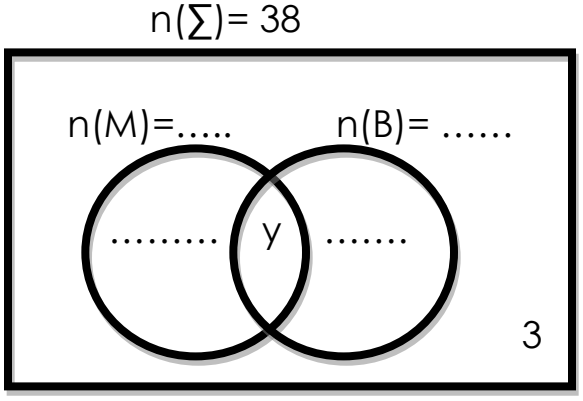
12. Find the value of m in the figure below.



13. The volume of the cuboid below is $216m^3$.If the base area of the the cuboid is $36m^2$.Find the height of the cuboid.
14. Given that M={whole numbers less than five}.
    How many proper subsets can be from M?
15. Find the least number of apples when divided by 5 boys, 2 apples remained. And when the same number of apples is divided by 4 girls only one apple remained.

SECTION B 20 MARKS

16. In a class of 38 pupils, 19 pupils like beans (B), 23 like meat(M), pupils(y) like both meat and beans while 3 pupils like other types of saurces.
    a) Complete the venn diagram below. ***(2marks)***



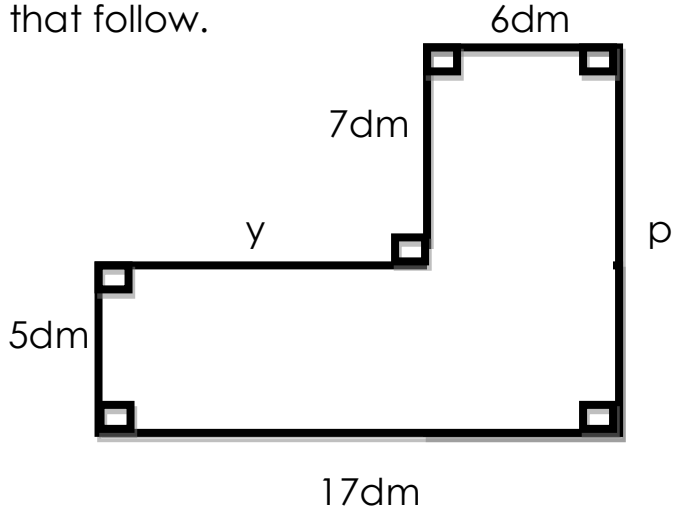
    b) How many pupils like both beans and meat? ***(3marks)***

17. a) Work out : $\frac{2}{5} + \quad 1\frac{1}{3}\ of\ \frac{3}{15}$ ***(2marks)***

b) How many tins of $\frac{2}{3}$ litres can be got from a container of $1\frac{2}{3}$ litres of juice? ***(2marks)***

18. The sum of three consecutive even numbers is 36.
If the middle number is **k**.Find the actual size of the numbers.
(4marks)

19. Study the combined figure below carefully and use it to answer the questions that follow.



a) Find the value : ***(1mark @)***

i) p

ii) y

b) Find the area of the entire figure above. ***(3marks)***

c) Find the total distance round the figure above ***(2marks)***

END