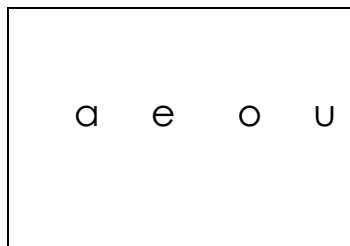




RAPHELA JUNIOR SCHOOL
REVISION ONE
P.6 - MATHEMATICS

1. Given that set $P = \{m, a, n, g, o\}$. Find $n(P)$
2. Find the number of elements in the sets below.

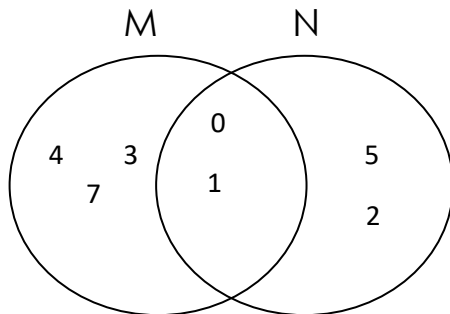


3. Set $M = \{\text{all odd numbers less than } 10\}$
Set $K = \{\text{Prime numbers less than } 13\}$. Find set $M \cap N$
4. How many subsets are in the sets given below?
 - a) B has 3 elements
 - b) Q has 2 members
 - c) X has 7 elements
 - d) $L = \{m, o, n, e, y\}$
5. List down all the subsets in the sets T, A and P.
 - a) $T = \{5, 8\}$
 - b) $A = \{m, a, n\}$
 - c) $P = \{7, 0, 5\}$
6. Calculate the number of proper subsets in set G if the elements in set G are $\{4, 3, 2, 7\}$

7. If $n(M) = 4$, work out the number of subsets in set M.

8. The number of subsets in Set Y is 4, how many members are in set Y

9. Below is a diagram, use it to answer the questions.



a) How many elements are in set M?

b) Write all the members in set M and N.

Find:

c) M only

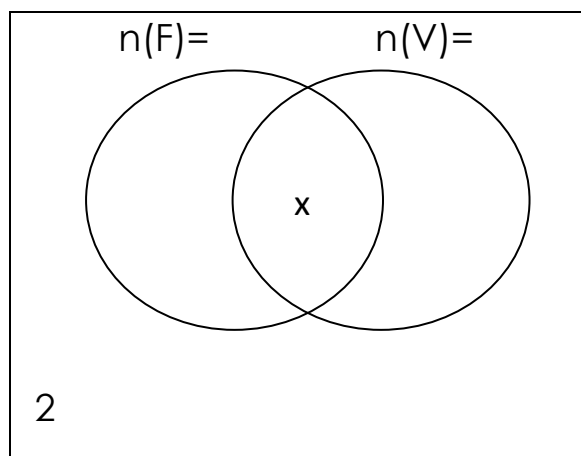
d) M'

e) $n(M \cap N)$

10. In a class of 60 pupils, 30 play Football (F), 40 play Volleyball (V) and 2 play neither of the two games.

a) Complete the venn diagram below

$\xi =$



- b) Find the number of pupils who play both games.
- c) How many pupils play volley ball?
- d) What is the probability of picking a pupil who plays football only?