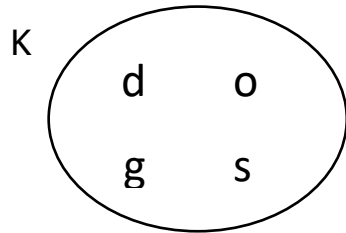




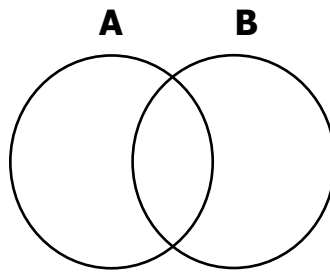
RAPHELA JUNIOR SCHOOL
EXERCISE 1
P.3 - MATHEMATICS

1. Given set $M = \{ m, a, r, c, h \}$, How many members are in set M?

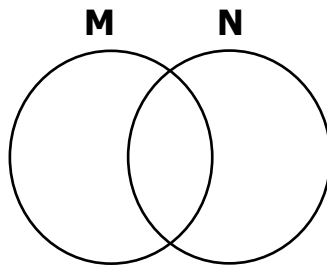


2. Find the number of elements in set K.
3. Shade the given sets below in the diagrams

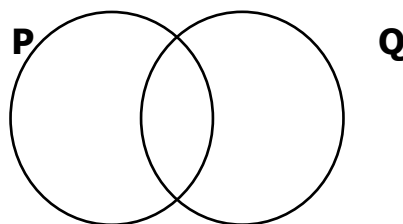
$A \cap B$



M only



$P \cup Q$



4. Name the set symbols below.

= _____

$\leftrightarrow$ _____

$\cap$ _____

$\neq$ _____

$\equiv$ _____

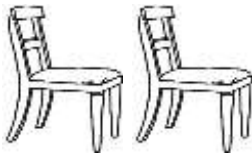
$\cup$ _____

5. Draw these set symbols named below.

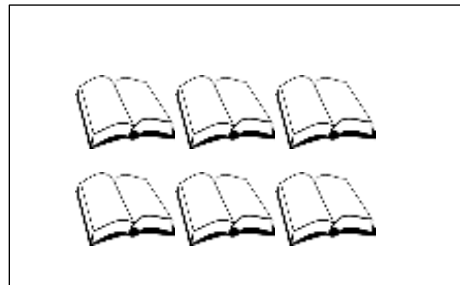
- i. Subset
- ii. Non equivalent set
- iii. Empty set

6. Name the sets below.

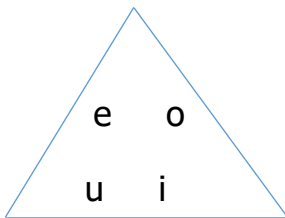
i.



iii.



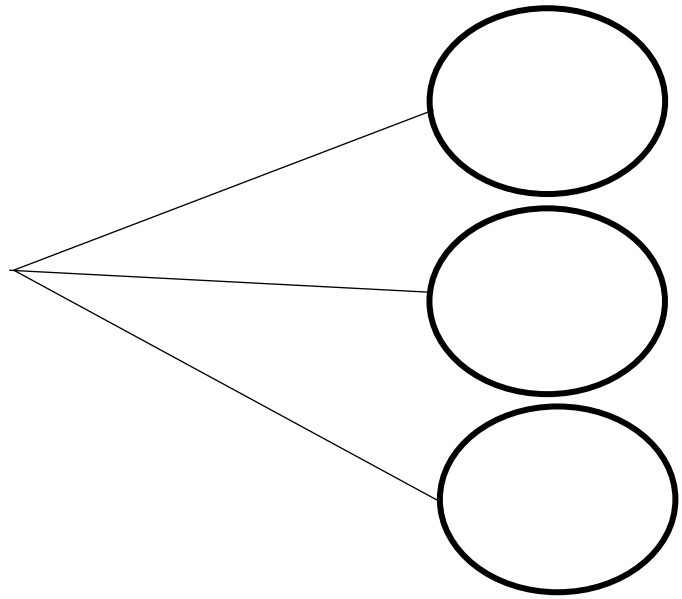
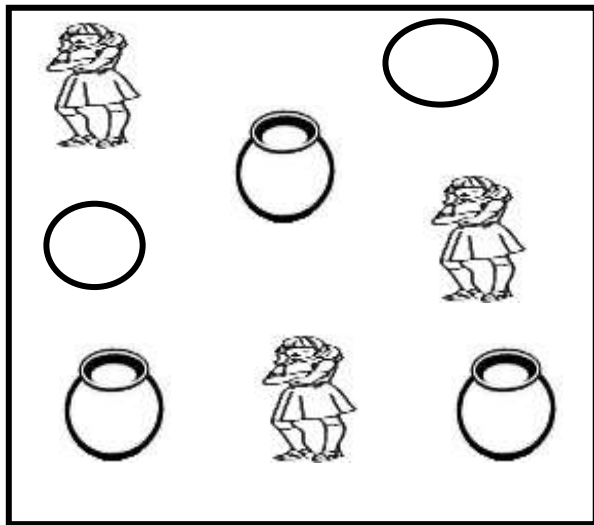
ii.



7. **Draw these sets.**

- i. A set of three balls.
- ii. A set of five dolls.
- iii. A set of one flower
- iv. An empty set.

8. Form new sets from the big set.

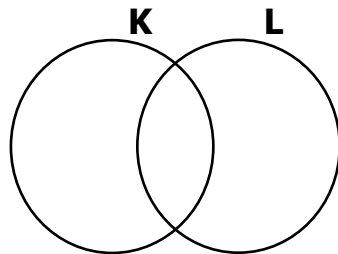


9. Given the sets

$$K = \{ 1, 2, 3, 4, 5, 6 \}$$

$$L = \{ 0, 2, 4, 6, 8 \}$$

a) represent the above sets on a venn diagram below



b) Which set has less members?

c) How many elements are in set L?

d) Find ;

i. K only

ii. $L - K$

iii. $K \cap L$

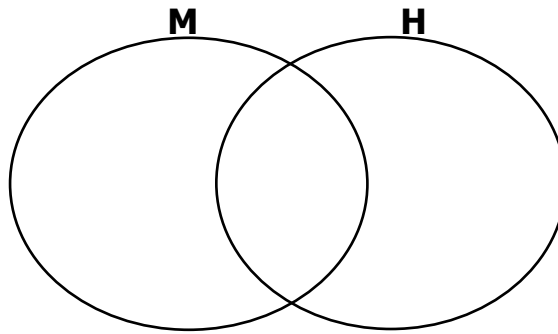
e) Write all the members in set k and L.

10. Below are the sets, use them to answer the questions that follow.

Set M = { cow, goat, hen, fish }

Set H = { goat, sheep, cat }

a) Show the sets above on the venn diagram below.

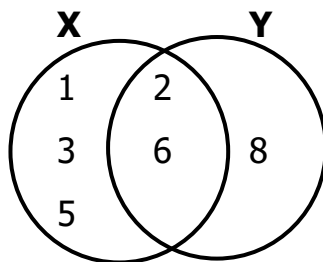


b) Write all the elements in set H.

c) How many elements are in set $M \cap H$?

d) Find $n(M \cup H)$.

11. Use the venn diagram below to answer questions that follow.



a) List down the elements of X.

b) Find; i. $X \cap Y$

ii. $X \cup Y$

c) How many elements are in set X and Y .

12. Write the place values of the numbers given below.

- i. 52
- ii. 12
- iii. 40
- iv. 257
- v. 904

13. What is the place value of the underlined digit in the numbers below.

- i. 23
- ii. 157
- iii. 4,582
- iv. 7,698

14. Find the digit under the given place values below.

a) Tens

- i. 56
- ii. 189

b) Hundreds

- i. 745
- ii. 1,039

c) Thousands

- i. 6,749
- ii. 9,375

15. Complete the following correctly.

- i. 92 = _____tens _____ ones.
- ii. 264 = 2_____6 tens 4 _____.
- iii. 6,842 = _____thousands 8 _____4 tens _____ ones.
- iv. 5 thousands 7 hundreds 0 tens 9 ones = _____.
- v. 3 thousands 1 hundreds 8 tens 2 ones = _____.

