



Logical Venn Diagrams

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Logical Venn diagrams test the ability of the candidates about the relation between some items of a group by diagrams.

Important Points to Remember:

1. If all the words are of different groups, then they will be shown by diagram as given below.

Example:

Doctors, Carpenters, Engineers.

All these three are professions but of different groups, there is no relation between them. Hence they will be represented by three different circles.

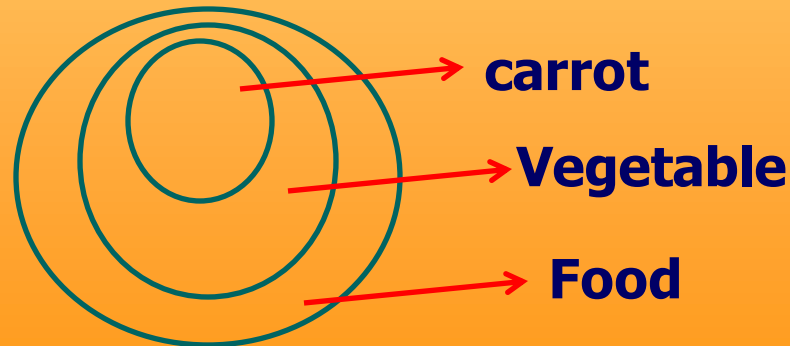


Logical Venn Diagrams

Important Points to Remember:

2. If first word is related to second word and second is related to third word. Then they will be shown by diagram as given below.

Example: Food, Vegetable, Carrot.
All carrots are vegetables.
All vegetables are foods.

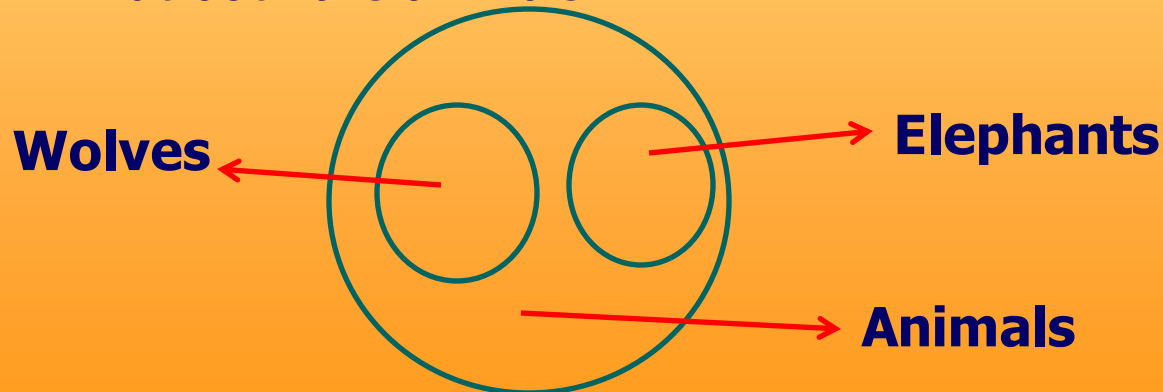


Logical Venn Diagrams

Important Points to Remember:

3. If two different items are completely related to the third item, they will be shown as below.

Example: Elephant, Wolves, Animals.
Elephant and Wolves bear no relationship to each other.
But both are animals.

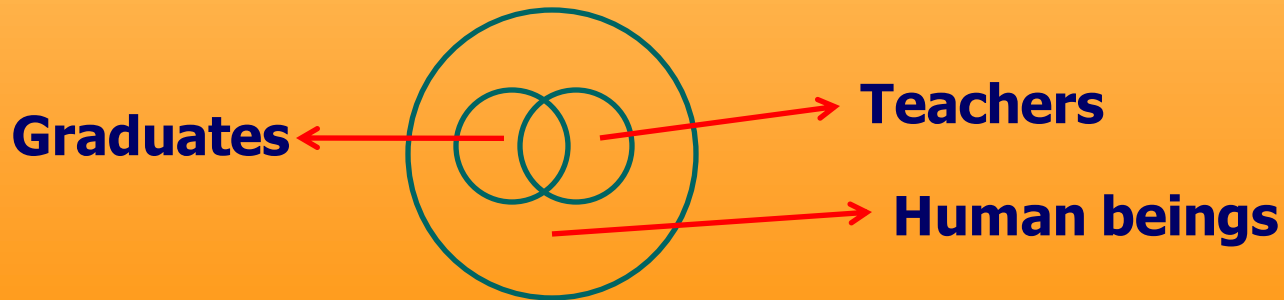


Logical Venn Diagrams

Important Points to Remember:

4. If there is some relation between two items and these two items are completely related to a third item then they will be shown as given below.

Example: Teachers, graduates, Human beings.
Some teachers can be graduates and some graduates can be teachers.
All teachers and graduates are human beings.

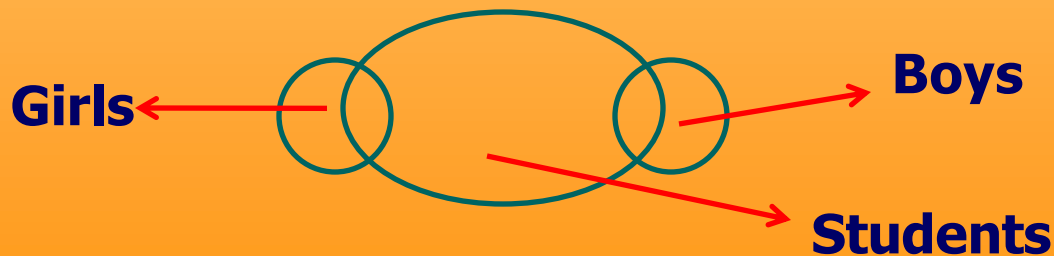


Logical Venn Diagrams

Important Points to Remember:

5. Two items are related to a third item to some extent but not completely and first two items totally different.

Example: Students, boys, girls.
The boys and girls are different items.
Some boys may be students. Similarly among girls some may be students.

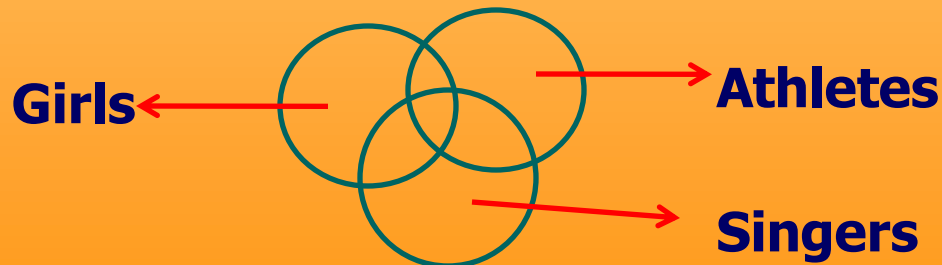


Logical Venn Diagrams

Important Points to Remember:

6. All the three items are related to one another but to some extent not completely.

Example: Girls, Athletes, Singers.
Some girls can be athletes.
Some girls can be singers.
Some singers can be athletes.

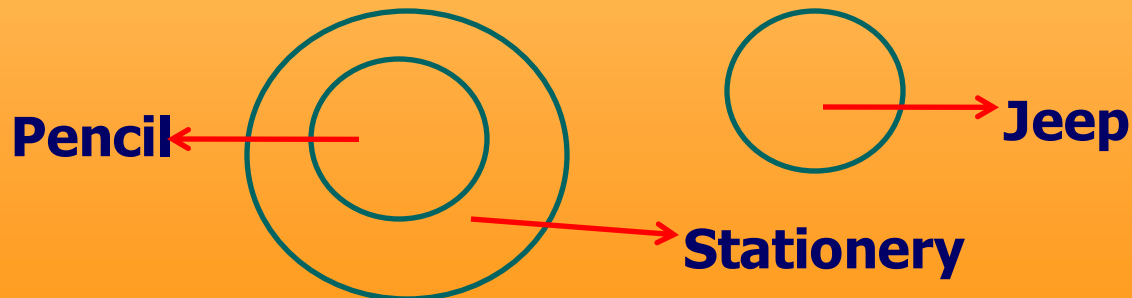


Logical Venn Diagrams

Important Points to Remember:

7. Two items are related to each other completely and third item is entirely different from first two.

Example: Pencil, Stationery, Jeep.
Pencil is an item of stationery.
But Jeep is entirely different.

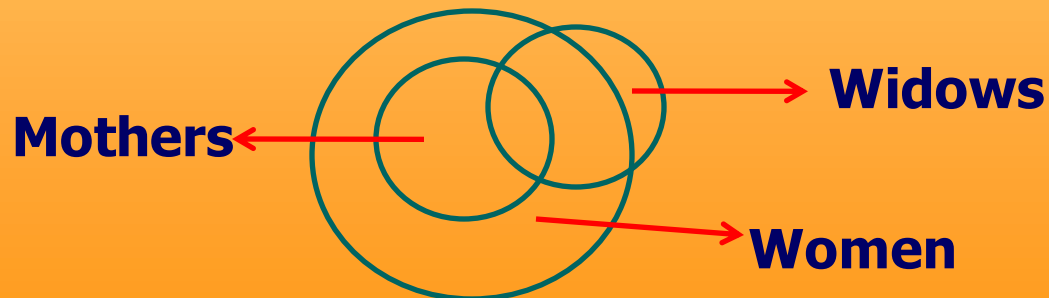


Logical Venn Diagrams

Important Points to Remember:

8. First item is completely related to the second and third item is partially related to the first and second item.

Example: Mothers, Women, Widows.
All mothers are women.
Some mothers and some women can be widows.

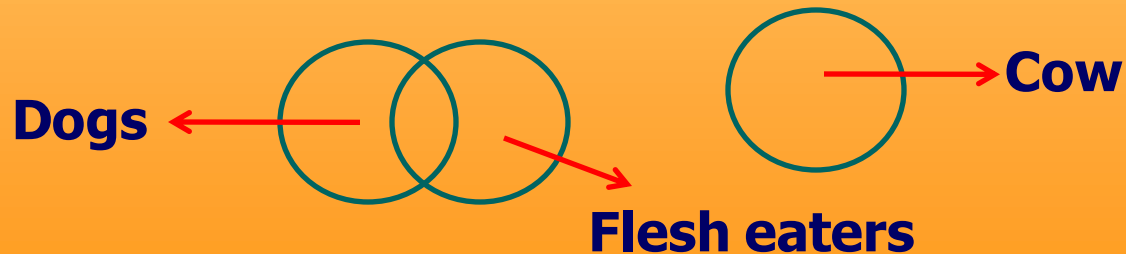


Logical Venn Diagrams

Important Points to Remember:

9. First item is partially related to the second but third is entirely different from the first two.

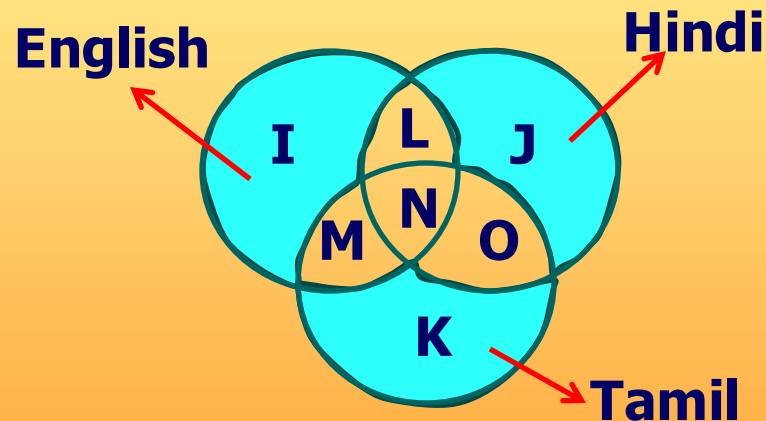
Example: Dogs, Flesh eaters, Cows
Some dogs are flesh eaters but not all.
While any dog or any flesh eater can not be cow.



Logical Venn Diagrams

Example:

Study the diagram and identify the people who can speak only one language.



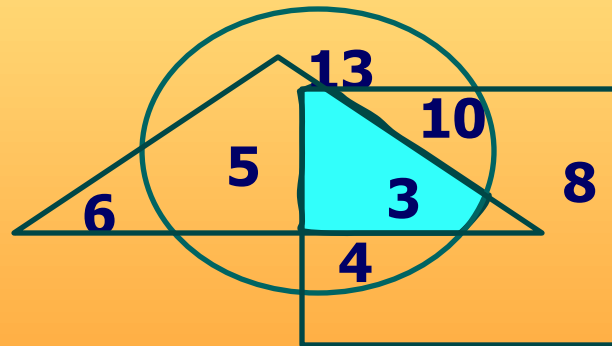
Answer:

The regions represented by the letters K, J and I denote such people who can speak only one language.

Logical Venn Diagrams

Example:

In the following diagram, parallelogram represents women, triangle represents sub-inspectors of police and circle represents graduates. Which numbered area represents women graduate sub-inspector of police?



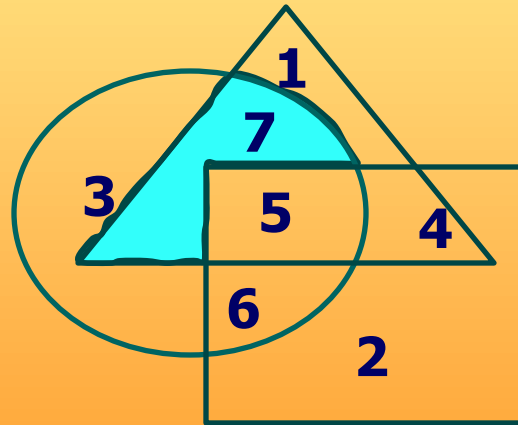
Answer:

The required region is the one common to the parallelogram, triangle and circle.
i.e. 3

Logical Venn Diagrams

Example:

In the following diagram, parallelogram represents Trained nurses, triangle represents nurses in hospital and circle represents Married population. What is represented by the number 7?



Answer:

Number 7 is inside triangle and circle.
Thus 7 represents married nurses in hospital.



Thanks...