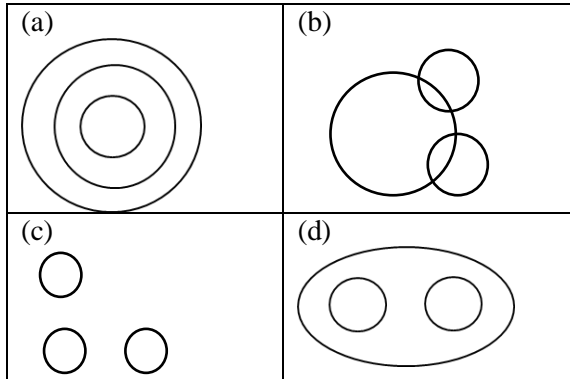
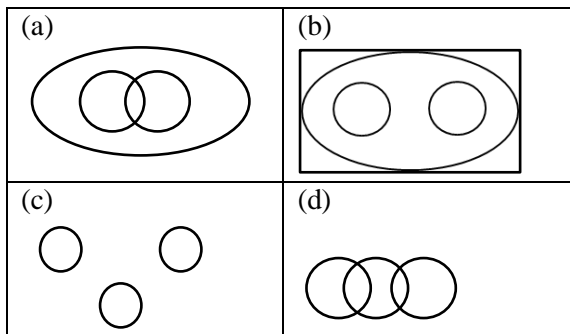


Reasoning Venn Diagram Questions, Answers & Explanation

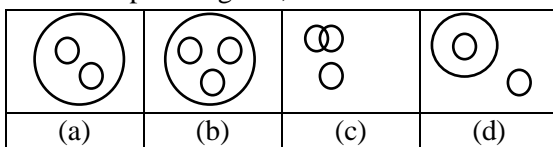
1. Which one of the following Venn diagrams represents the best relationship between Snake, Lizard, Reptiles?



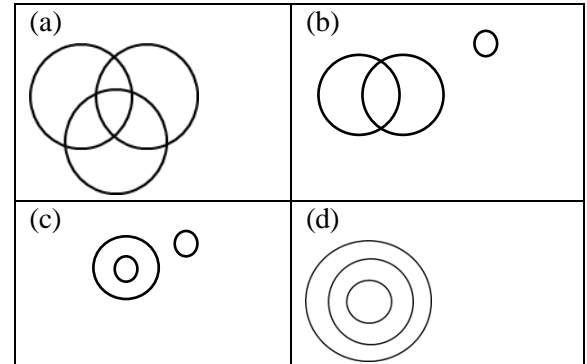
2. Which diagram correctly represents the relationship between Human beings, Teachers, Graduates?



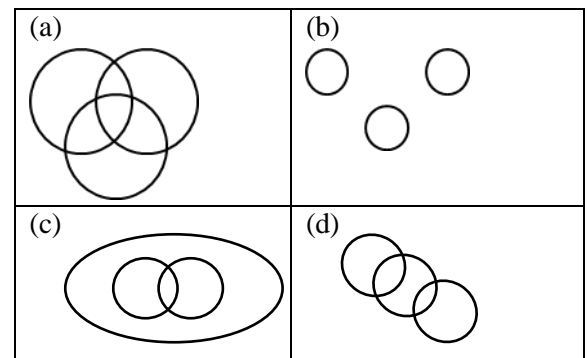
3. Which of the following diagram represents the relationship among sun, moon and stars?



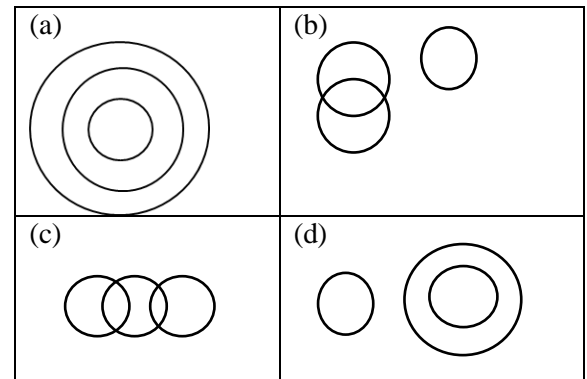
4. Which of the following diagram represents correct relationship Judge, Thief, Criminal?



5. Which diagram correctly represents the relationship between politician, poets and women?

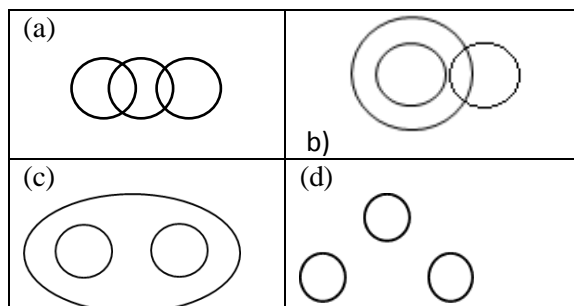


6. Which of the following four diagram represent correctly the relationship between musician, instrumentalists, violinists?

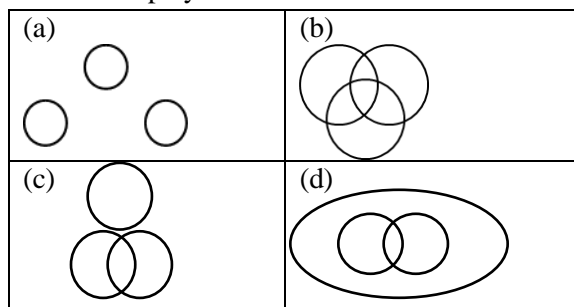


7. Choose the diagram which represent the relationship among the following:- Capsules, Antibiotics, Injection.

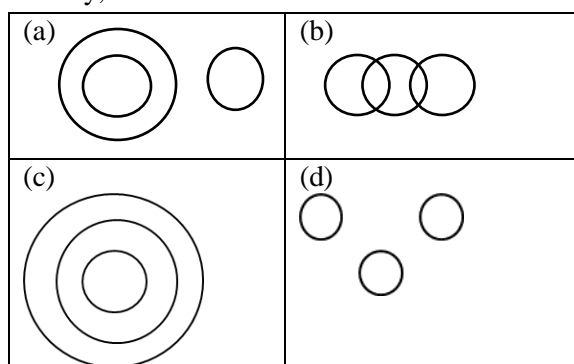
Reasoning Venn Diagram Questions, Answers & Explanation



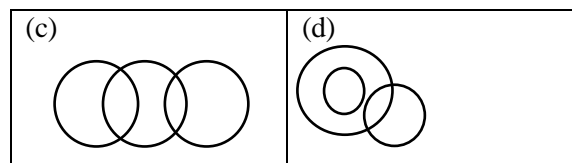
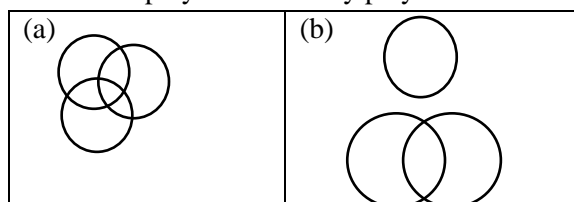
8. Selects the figures which represent the relationship between athletes, football players and cricket-players.



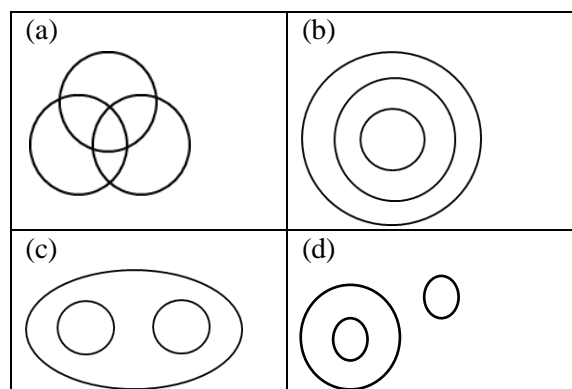
9. Which of the following diagram represents the country, states and District?



10. Which of the diagram represents the given statements:- Some of the players are tennis players, some tennis players are hockey players. No Cricket player is a hockey players?

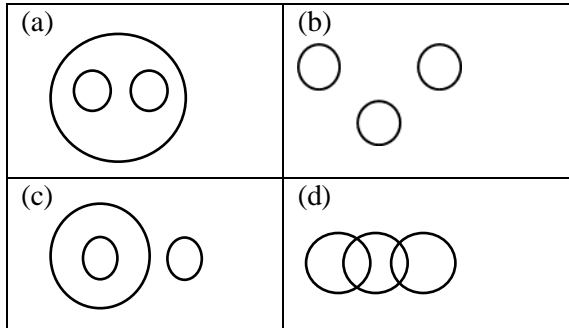


Directions (Qs. 11-20): In each of these questions, three words are related in some way. The relationship among the words is question can best represents by one of the five diagram.

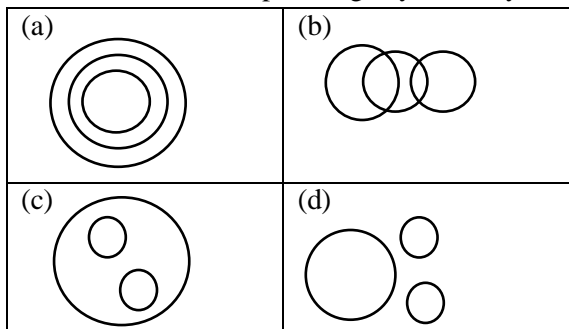


11. Cabinet, Home Minister, Minister.
12. Professors, Researchers, Scientists.
13. Men, Rodents, Living beings.
14. Parents, Mothers, Fathers.
15. Nitrogen, Ice, Air.
16. Musicians, Singers, Women
17. Elephants, Carnivore, Tiger.
18. Rings, Ornaments, Diamond Rings.
19. Indoor games, Chess, Table tennis.
20. Fish, Herring, Animal living in water
21. Which one of the following diagrams represents the relationship among Delhi, Lucknow, Uttar Pradesh?

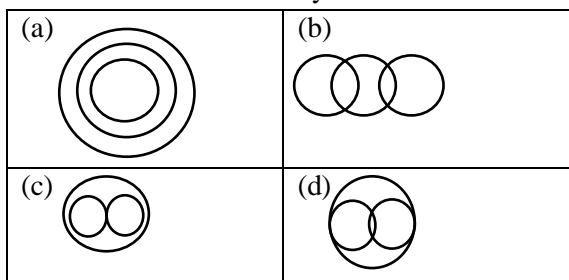
Reasoning Venn Diagram Questions, Answers & Explanation



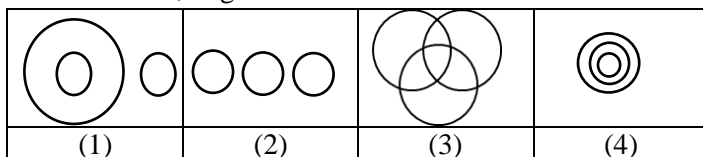
22. Which one of the following diagrams represents the correct relationship among day, week, year?



23. Which one of the following diagrams best depicts the relationship among Human Society-Youth Club, Political Party and Youths?



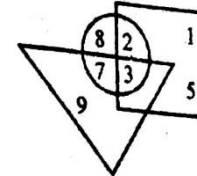
24. Which one of the following diagrams represent correct relationship among pigeon, birds, dogs?



- (a) 1
(b) 2
(c) 3
(d) 4

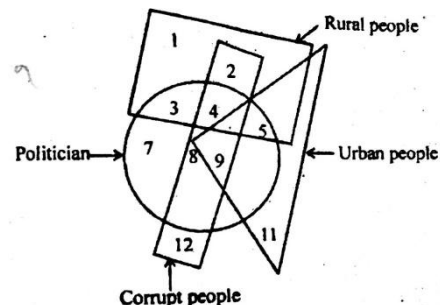
25. In the given figure in a garden, square represent the area where jackfruit trees are grown, circle

represent mango trees and triangle represent coconut trees. Which numbers represent the common area in which all types of trees are grown.



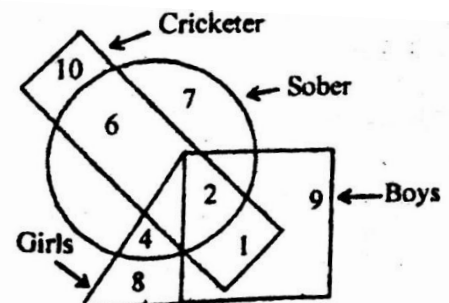
- (a) 4
(b) 3
(c) 7
(d) 8

26. In the following venn diagram, Identify the politicians from urban areas who are corrupt.



- (a) 4
(b) 8
(c) 9
(d) 10

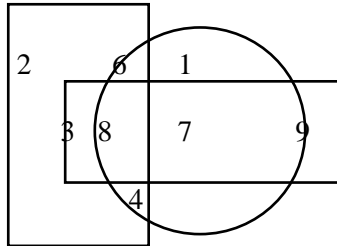
27. In the following figure, the boys who are cricketer and sober are indicated by which number?



- (a) 6
(b) 5
(c) 4
(d) 2

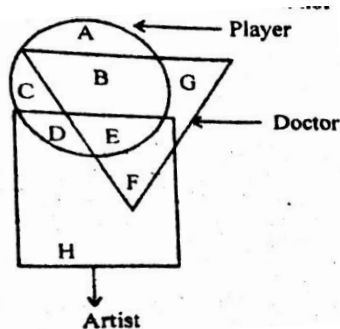
28. Which are the numbers that makes their presence felt in only one of the geometric figures.

Reasoning Venn Diagram Questions, Answers & Explanation



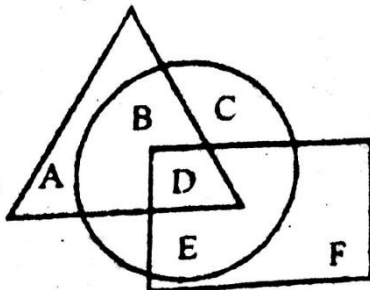
- (a) 4,6,7 (b) 1,2,9
(c) 3,7,9 (d) 2,3,8

29. In the following venn diagram identify the better which denotes players who are also doctors but not artist.



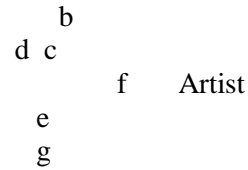
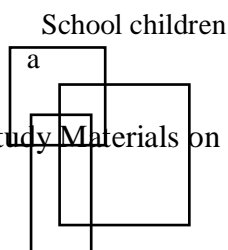
- (a) B + E (b) E
(c) B (d) A

30. In the given figure, the circle represents boys, triangle represents players and square represents rural. What portion represents rural sports boys.



- (a) E (b) F
(c) D (d) B

- 31.

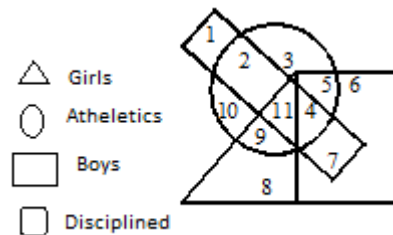


Singers

Above diagram represents school children, artist and singers. Study the diagram and identify the region. Which represents those school children who are artists not singers.

- (a) a (b) b
(c) f (d) e

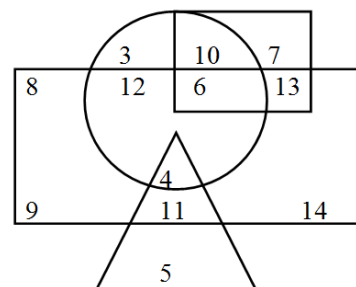
- 32.



The boys who are athletic and are disciplined are indicated by which numbers.

- (a) 1 (b) 4
(c) 6 (d) 10

Directions (Qs. 33-39): The following questions are based on the diagram given below.

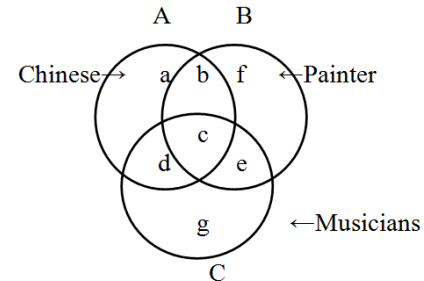


Rectangle represents males
Triangle represents educated
Circle represents urban
Square represents civil servants

Reasoning Venn Diagram Questions, Answers & Explanation

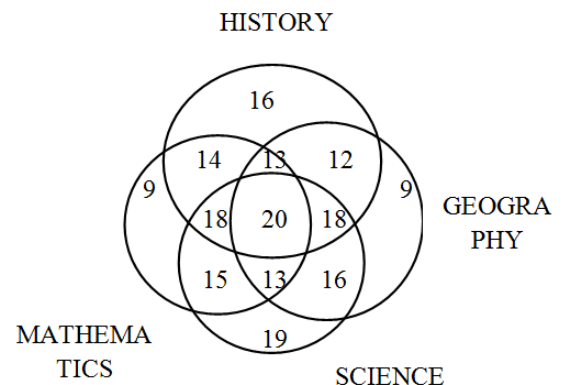
33. Who among the following is an educated male who is not an urban resident?
(a) 4 (b) 5
(c) 11 (d) 9
34. Who among the following is neither a civil servant nor educated but is urban and not a male?
(a) 2 (b) 3
(c) 6 (d) 10
35. Who among the following is a female urban resident and also a civil servant?
(a) 6 (b) 7
(c) 10 (d) 13
36. Who among the following is an educated male who hails from urban?
(a) 4 (b) 7
(c) 10 (d) 13
37. Who among the following is uneducated and also an urban male?
(a) 2 (b) 3
(c) 11 (d) 12
38. Who among the following is only a civil servant but neither a male or urban oriented and uneducated?
(a) 7 (b) 8
(c) 9 (d) 14
39. Who among the following is a male urban oriented and also a civil servant but not educated?
(a) 13 (b) 12
(c) 6 (d) 10

Directions (Qs. 40-43): In the figure below there are three intersecting circles each represents certain section of people different region marked a.g. Read the statement in each of the following questions and choose the letter of the region which correctly represent the statements.



40. Chinese who are painters but not musicians?
(a) b (b) c
(c) d (d) g
41. Painter who are neither Chinese nor musician?
(a) b (b) c
(c) f (d) g
42. Chinese who are musicians but not painters?
(a) d (b) c
(c) b (d) a
43. Chinese who are painters as well as musicians?
(a) a (b) b
(c) c (d) d

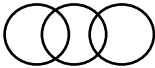
Directions (Qs. 44-47): Refer to the following Venn diagram:



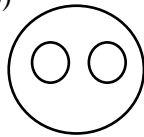
44. The number of students who took any three of the above subjects was
(a) 62 (b) 63
(c) 64 (d) 66
45. The number of students in total, who took History of Mathematics or Science, was
(a) 183 (b) 190

- (c) 424 (d) 430
46. The number of students who took both History and Geography among other subjects was
- (a) 62 (b) 63
(c) 65 (d) 66
47. Which subject was taken by the largest number of students?
- (a) Mathematics (b) Science
(c) Geography (d) History
48. Identify the diagram that best represents the relationship among classes given below:
Food, Curd, Spoons

(a)



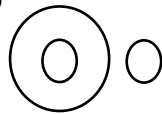
(b)



(c)



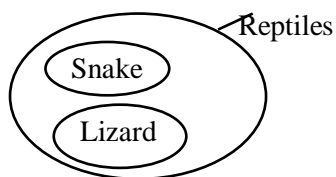
(d)



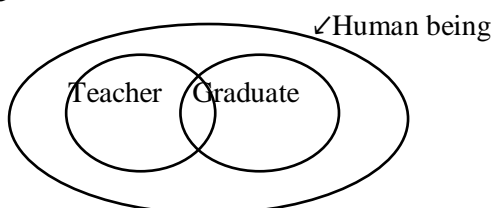
1	(d)	7	(c)	13	(c)	19	(b)	25	(b)	31	(b)	37	(d)	43	(c)
2	(a)	8	(b)	14	(c)	29	(c)	26	(c)	32	(b)	38	(a)	44	(a)
3	(d)	9	(c)	15	(d)	21	(c)	27	(d)	33	(c)	39	(c)	45	(a)
4	(c)	10	(c)	16	(a)	22	(a)	28	(b)	34	(b)	40	(a)	46	(b)
5	(d)	11	(b)	17	(d)	23	(b)	29	(c)	35	(c)	41	(c)	47	(b)
6	(a)	12	(a)	18	(b)	24	(a)	30	(c)	36	(a)	42	(a)	48	(d)

HINTS & EXPLANATIONS

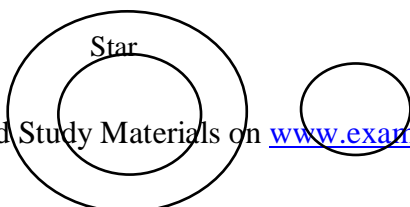
1. (d) Snake is different from Lizard but both are reptiles.



2. (a) Some teachers may be graduate and vice-versa all teachers and all graduates are human beings.

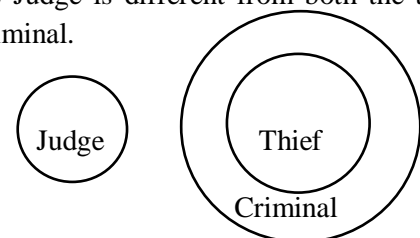


3. (d) Sun is stars. Moon is a satellite



Sun Moon

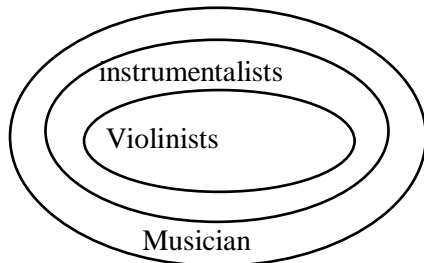
4. (c) Judge is different from both the thief and criminal.



5. (d) Some politician may be poets and vice-versa.
Some politician may be women and vice-versa.
No poets can be women as women poets is called poetess.



6. (a)



7. (c) Capsules are different from injection but both are used as antibiotics.

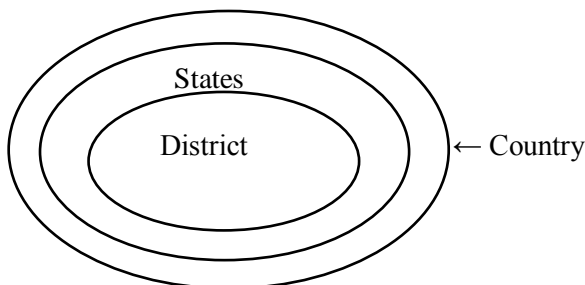
8. (b) Some athletes may be football players and vice-versa.

Some athletes may be cricket players and vice-versa.

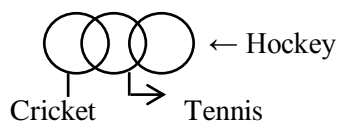
Some athletes may be both football players and cricket players.

Some cricket players may be football players and vice-versa.

9. (c)



10. (c)



11. (b) Home minister is a minister is part of cabinet.

12. (a) Some professor may be scientist or researcher.

13. (c) Men, Rodents are entirely different, but both are living beings.

14. (c) Mother and Father are entirely different but both are parents.

15. (d) Nitrogen is air but ice is different

16. (a) All three items are partly related.

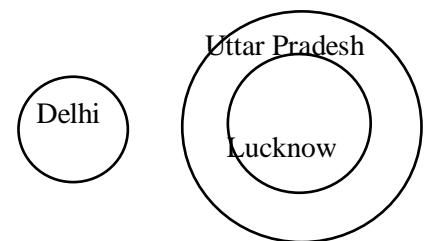
17. (d) Tiger is a carnivore, while elephant is not.

18. (b) Herring is type of fish, fish belongs to the class of water animals.

19. (b) All diamonds rings are rings, all rings are ornaments.

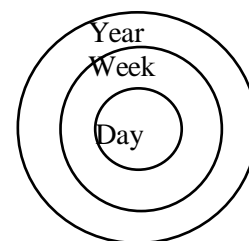
20. (c) Chess and table tennis are different but both are indoor games.

21. (c)

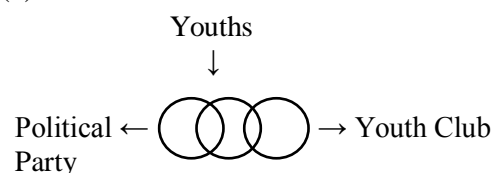


Delhi is separate state while Lucknow is part of Uttar Pradesh.

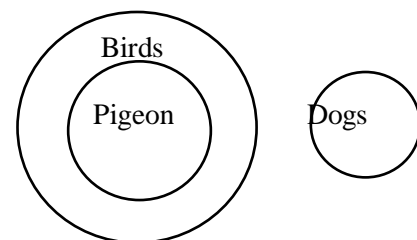
22. (a)



23. (b)



24. (a)



25. (b) 3 represents the area common to all types.








26. (c) Required area common to \triangle \bigcirc \square

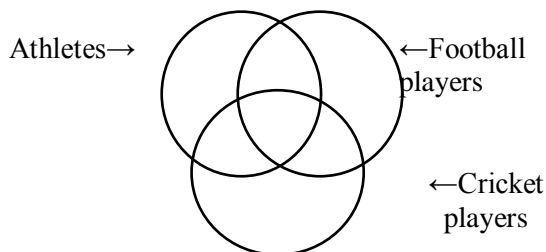
27. (d)

Regions→ Persons ↓	1	2	4	6	7	8	9	10
Boys \square	✓	✓	×	×	×	×	✓	×
Girls \triangle	×	×	✓	×	×	✓	×	×
Sober \bigcirc	×	✓	✓	✓	✓	×	×	×

Cricketer	<input type="checkbox"/>	✓	✓	×	✓	×	×	×	✓
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Region 2 presents the boys who are cricketer and sober.

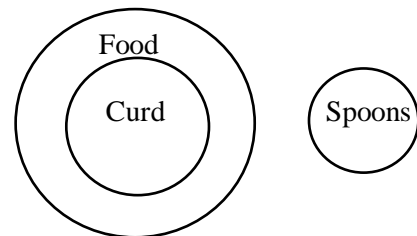
28. (b) 1 represent only Circle.
2 represent only Rectangle.
9 represent only another Rectangle.
29. (c) Area common to  and 
30. (c) Area common to ,  and 
31. (c) Area common to  and 
32. (b) Circle only
33. (c) Area not common to rectangle but common to square and circle.
34. (a) Area common to Rectangle, Circle, Triangle
35. (d) Area common to Rectangle and Circle.
36. (a) Only area of square.
37. (c) Area common Rectangle, square and circle.
38. (a) Only area of square
39. (c) Area Common to rectangle, square and Circle.



40. (a) Required region is one which is common to circle A and B.
41. (c) Area that contain only B.
42. (a) Area common to A and C.
43. (c) Common area of A, B and C
44. (a) The required set of students is denoted by region common to any three circle only \therefore Required number = $(13+ 13+ 18+18) = 62$.
45. (a) The required set of students is denoted by regions lying inside the circles representing History, Mathematics and Science.
 \therefore Required number = $(9+14+18+15+16+13 +13+20+18+13+16+19)=183$.
46. (b) The required set of students is denoted by the region common to the circles representing History and Geography.

\therefore Required number = $(20+13+ 12+ 18) = 63$.

47. (b) Number of students who took History
= $(16+12 + 18 + 20+18 +14 +13) = 111$.
Number of students who took Geography
= $(9+16+13+20 +13 +12+18)= 101$.
Number of students who took science
= $(19+15 + 18 + 20+18+16+ 13) = 119$.
Number of students who took mathematics
= $(9+14 + 13+20+13 + 15+18) = 102$.
48. (d)



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