

EduSahara™ Learning Center Assignment

Grade : Class VII, SSC

Chapter : Data Handling

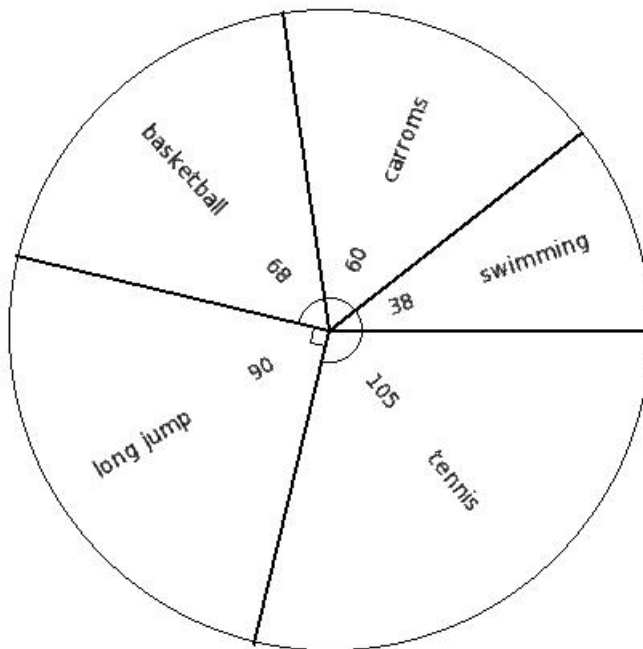
Name : Pie Chart

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The following pie chart gives the data regarding

1. the favourite sport of 432 students of a school.

Identify the table for the given pie diagram.



(i)

Sport	swimming	carroms	basketball	long jump	tennis
No. of students	45	81	108	126	72

(ii)

Sport	swimming	carroms	basketball	long jump	tennis
No. of students	81	45	126	72	108

(iii)

Sport	swimming	carroms	basketball	long jump	tennis
No. of students	45	72	81	108	126

(iv)

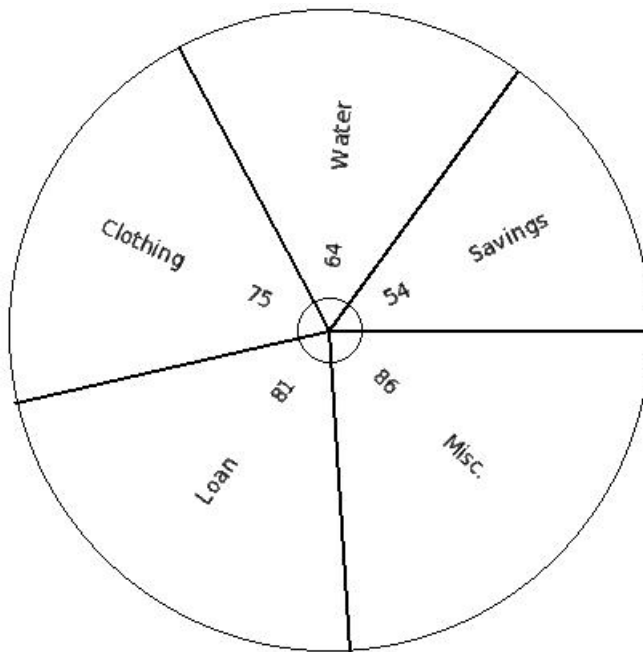
Sport	swimming	carroms	basketball	long jump	tennis
No. of students	81	108	72	45	126

(v)

Sport	swimming	carroms	basketball	long jump	tennis
No. of students	72	81	126	108	45

2. The following pie chart shows the monthly budget of a family.

Identify the table for the given pie diagram.



(i)

Item	Savings	Water	Clothing	Loan	Misc.
Expenses (in Rs)	2160	2700	2520	1800	2880

(ii)

Item	Savings	Water	Clothing	Loan	Misc.
Expenses (in Rs)	2880	2160	2700	2520	1800

(iii)

Item	Savings	Water	Clothing	Loan	Misc.
Expenses (in Rs)	2520	2160	1800	2880	2700

(iv)

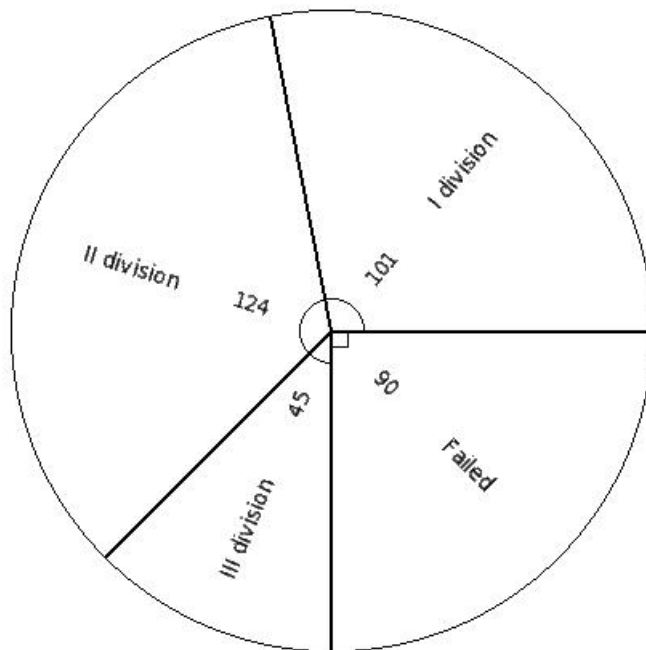
Item	Savings	Water	Clothing	Loan	Misc.
Expenses (in Rs)	1800	2160	2520	2700	2880

(v)

Item	Savings	Water	Clothing	Loan	Misc.
Expenses (in Rs)	1800	2160	2880	2520	2700

The results declared by a school was as under.

3. Identify the table for the given pie diagram.



(i)

Result	I division	II division	III division	Failed
No. of Students	81	72	36	99

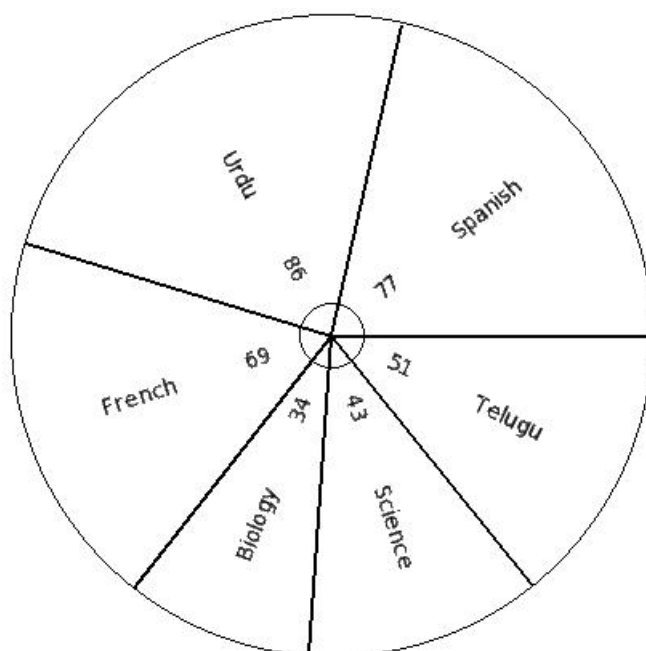
(ii)

Result	I division	II division	III division	Failed
No. of Students	81	99	36	72

(iii)

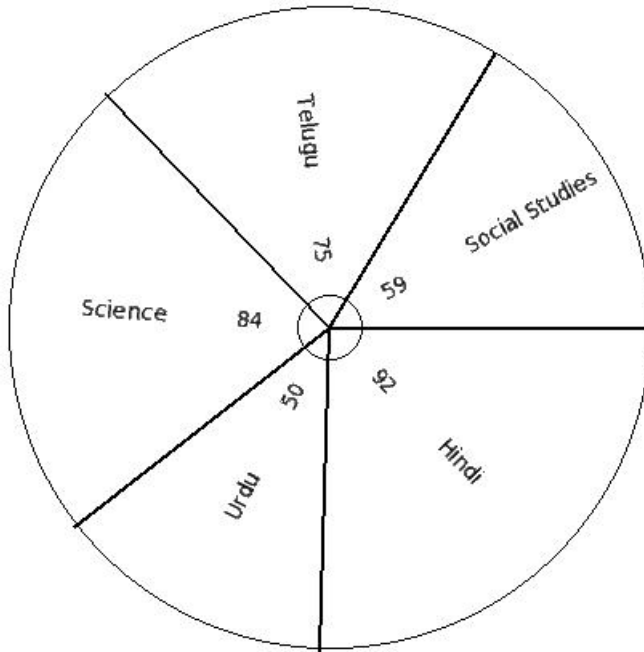
Result	I division	II division	III division	Failed
No. of Students	99	81	72	36

4. The total marks obtained by a student in his annual examination is 378 .
Find the maximum marks.



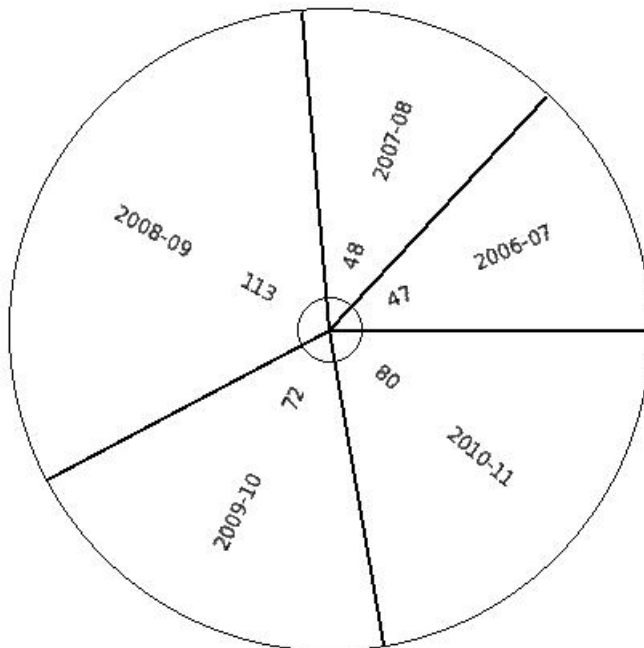
(i) 89 (ii) 90 (iii) 87 (iv) 92 (v) 91

5. The total marks obtained by a student in his annual examination is 387 .
Find the minimum marks.



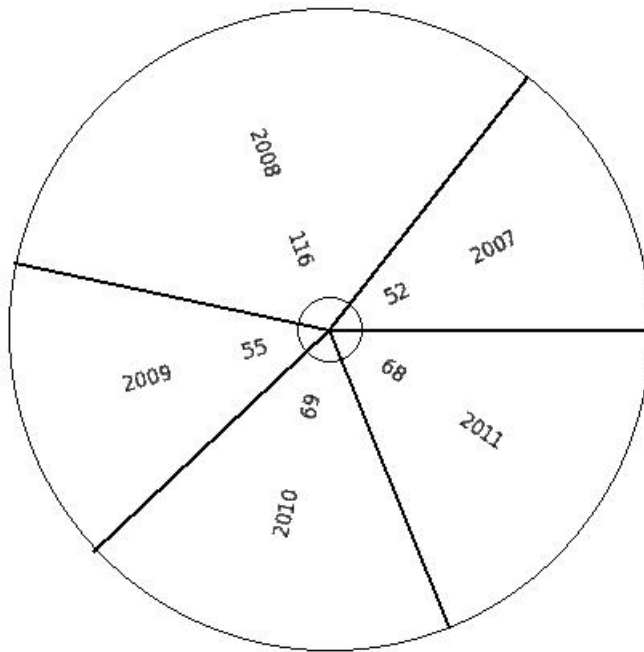
(i) 54 (ii) 57 (iii) 53 (iv) 52 (v) 55

6. The total export earnings of ₹4320 crores of a country during five years is shown below.
Find the earnings in 2010-11.



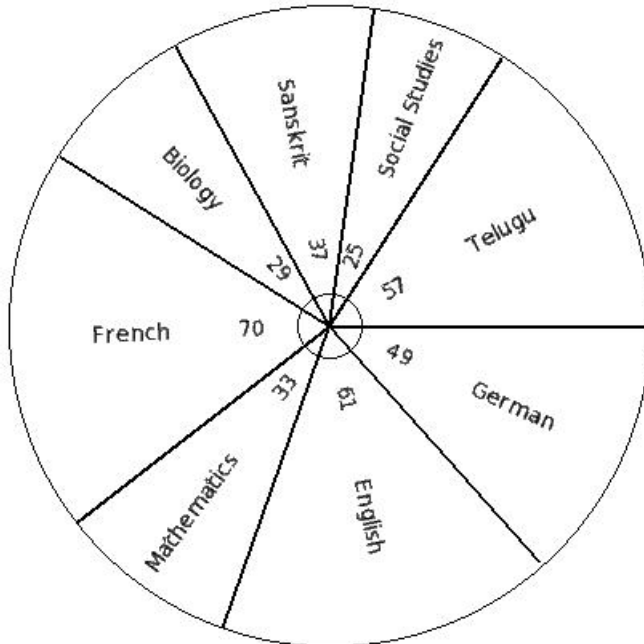
(i) 963 (ii) 960 (iii) 957 (iv) 958 (v) 962

7. Shown below is the total food grain production of 1800 million tonnes over 5 years. Find the production in 2011.



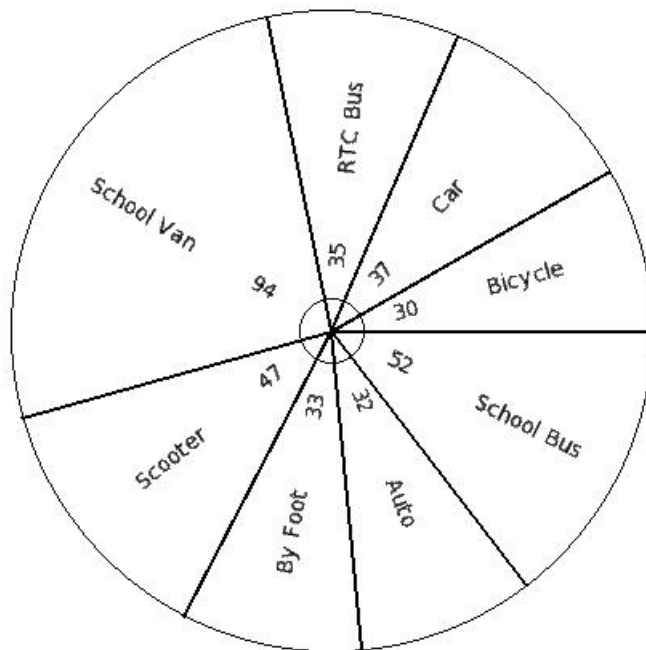
- (i) 343 (ii) 342 (iii) 337 (iv) 340 (v) 338

8. The total marks obtained by Praveen in his annual exam are 440 as shown below. Find the marks in "German".



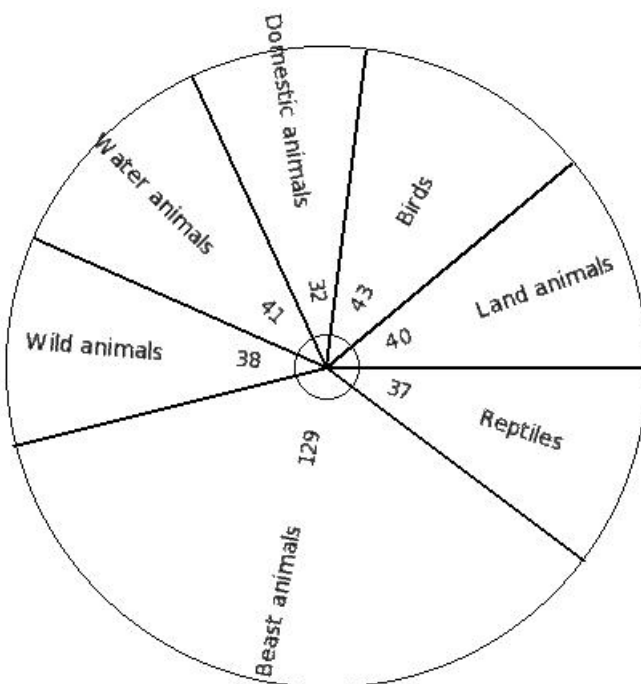
- (i) 62 (ii) 63 (iii) 57 (iv) 60 (v) 58

9. 360 students of a certain locality use different modes of travel to school as shown below. Find the number of students whose mode of travel is "Bicycle".



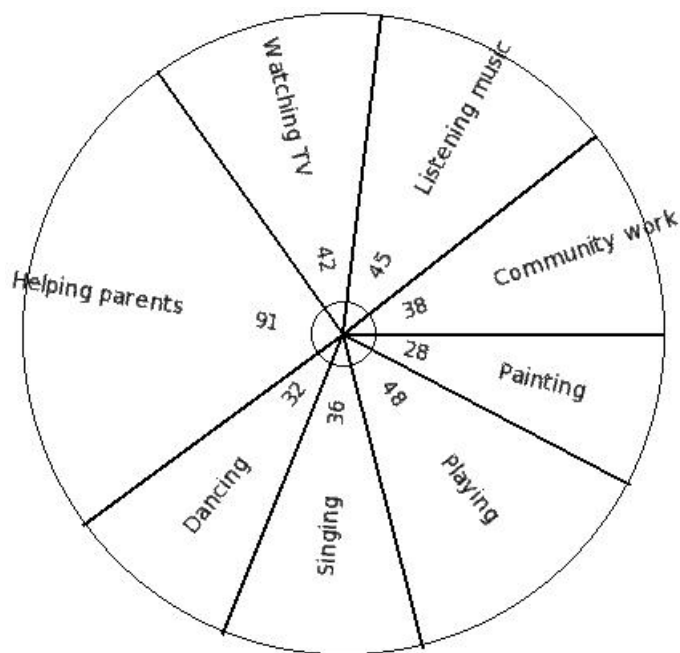
- (i) 32 (ii) 28 (iii) 27 (iv) 30 (v) 33

10. There are 2880 creatures in a zoo. Find the count of "Water animals".



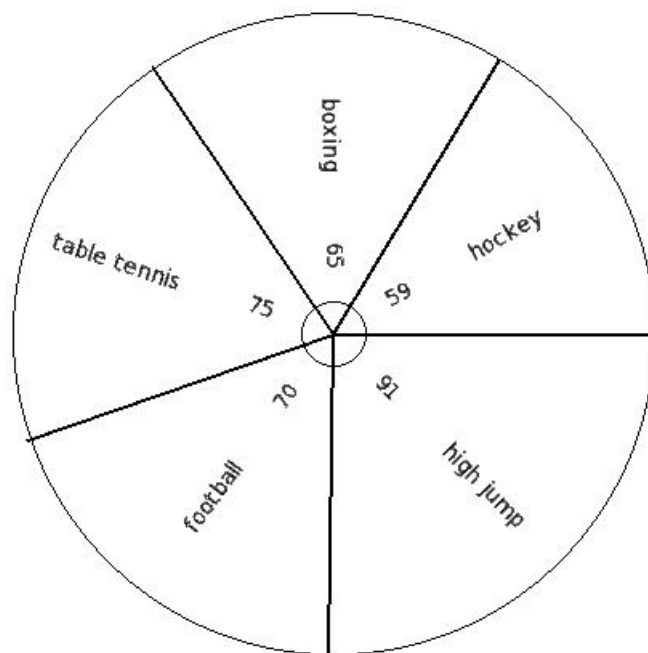
- (i) 326 (ii) 330 (iii) 325 (iv) 331 (v) 328

11. A survey of 360 school students was done to know the preferred free time activity. Find the number of students who prefer "Singing".



(i) 36 (ii) 39 (iii) 38 (iv) 33 (v) 34

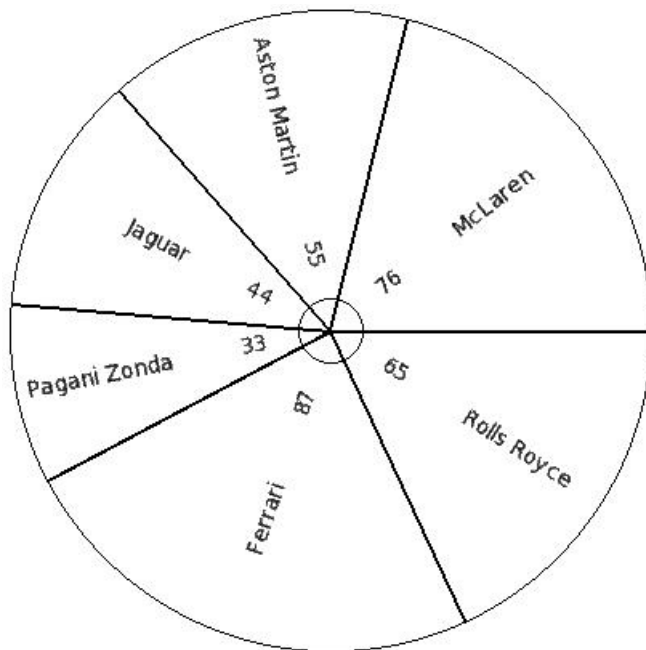
12. The following pie chart shows 540 students of a school participating in various games. Find the number of students who participate in "hockey".



(i) 91 (ii) 86 (iii) 87 (iv) 89 (v) 92

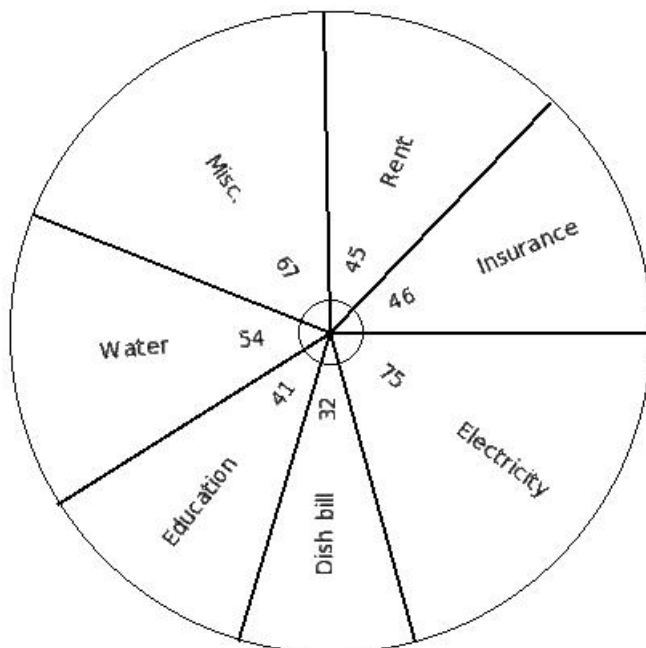
13. The pie chart given below shows purchase of number of cars of different automobile companies in America.

Identify the sector angle of "McLaren".



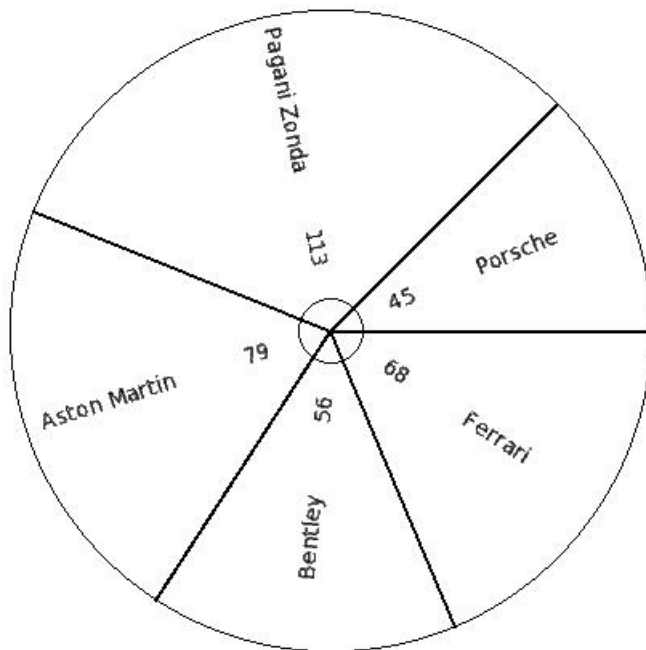
(i) 75 (ii) 78 (iii) 77 (iv) 74 (v) 76

14. The pie diagram given below shows the monthly family expenditure of a person earning ₹15120 per month. How much does he spend on "Rent"?



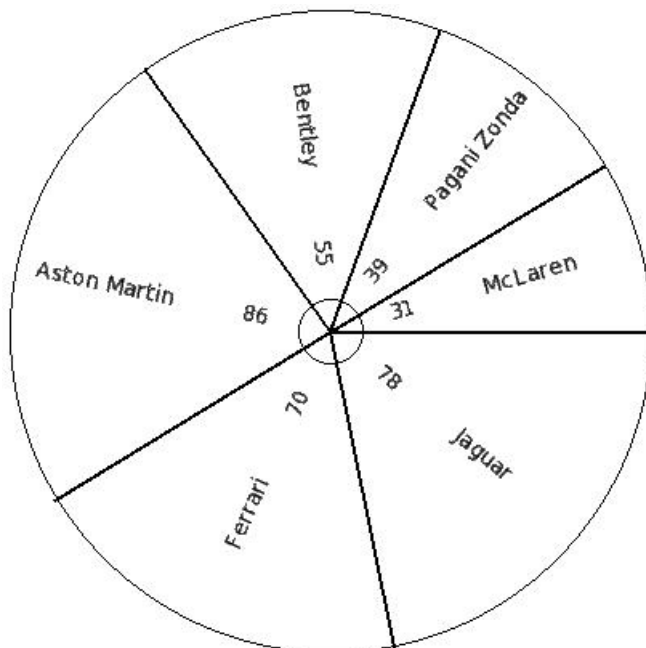
(i) ₹1890.00 (ii) ₹1891.00 (iii) ₹1888.00 (iv) ₹1892.00 (v) ₹1889.00

15. The pie chart given below consists of top selling race cars of different brands. Identify the most sold car



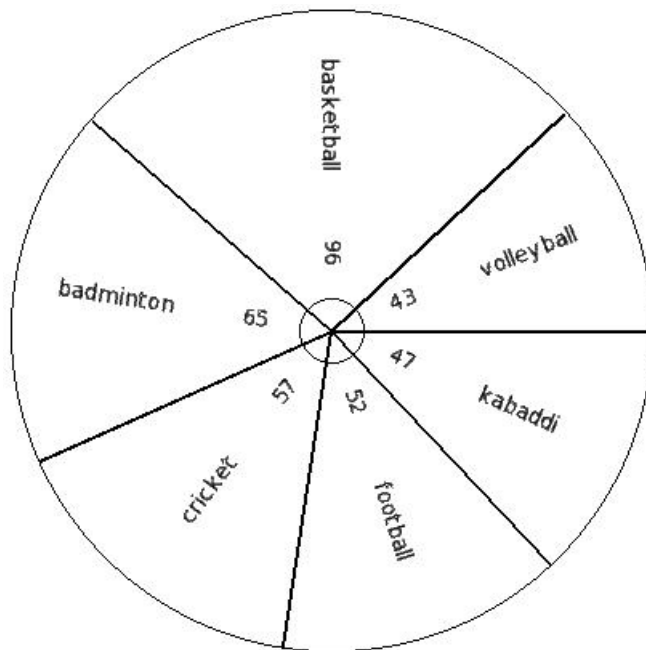
- (i) Pagani Zonda (ii) Bentley (iii) Aston Martin
(iv) Porsche (v) Ferrari

16. The pie chart given below consists of top selling race cars of different brands. Identify the least sold car



- (i) Ferrari (ii) Pagani Zonda (iii) Jaguar
(iv) McLaren (v) Bentley

17. The number of sectors present in the pie chart

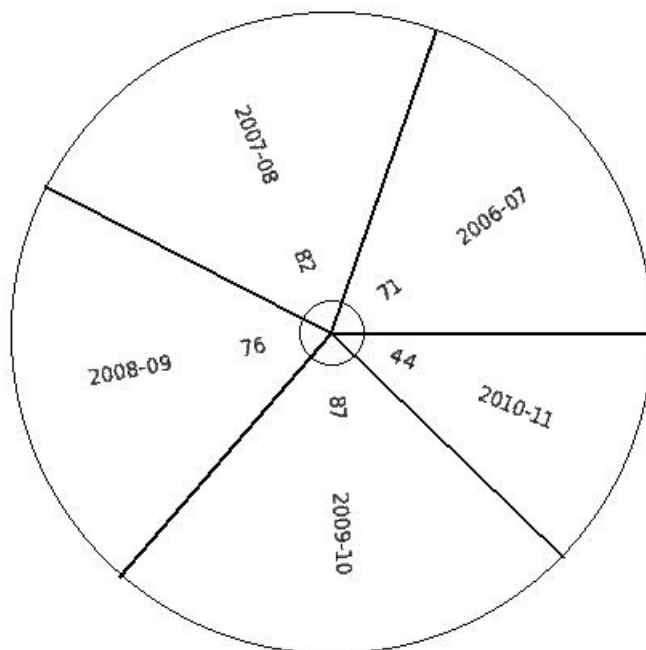


(i) 3 (ii) 5 (iii) 1 (iv) 4 (v) 6

The total export earnings of ₹810 thousand crore of a country

18. during five years is shown below.

Find the year that has maximum export earnings .

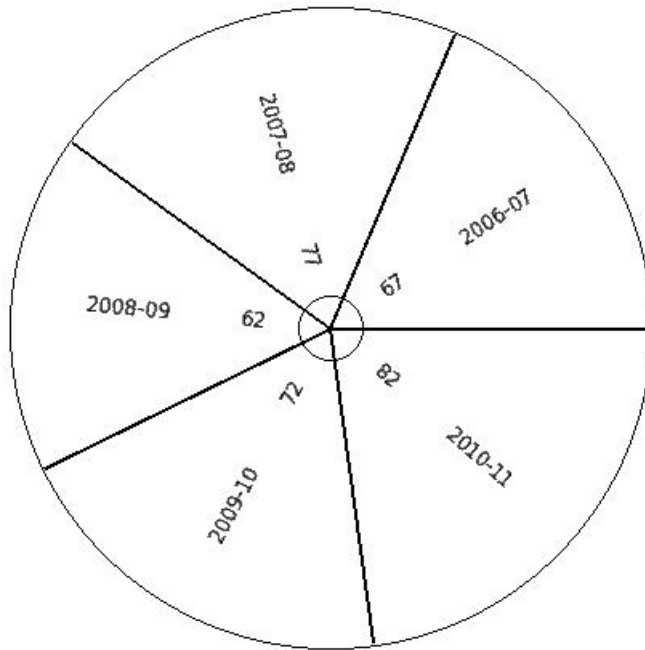


(i) 2010-11 (ii) 2009-10 (iii) 2006-07
(iv) 2008-09 (v) 2007-08

The total export earnings of ₹750 thousand crore of a country

19. during five years is shown below.

Find the year that has minimum export earnings .

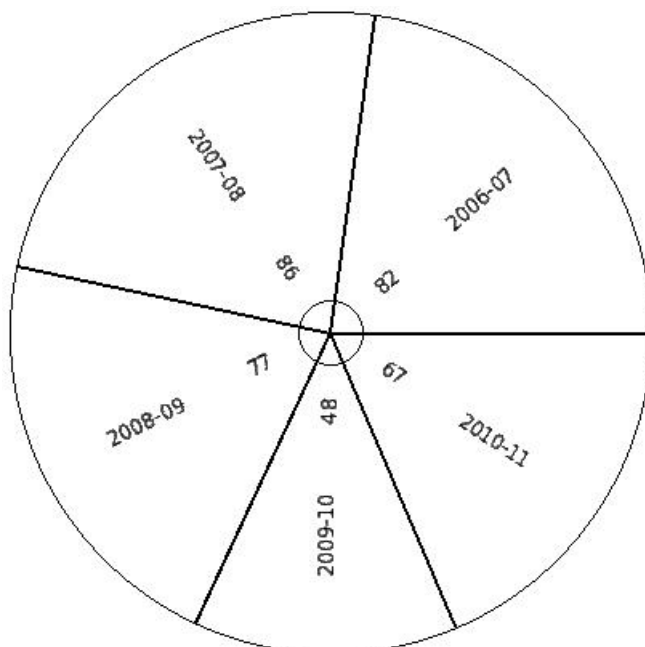


- (i) 2009-10 (ii) 2007-08 (iii) 2006-07
(iv) 2008-09 (v) 2010-11

The total export earnings of ₹750 thousand crore of a country

20. during five years is shown below.

Find the year that has 100 thousand crore export earnings .

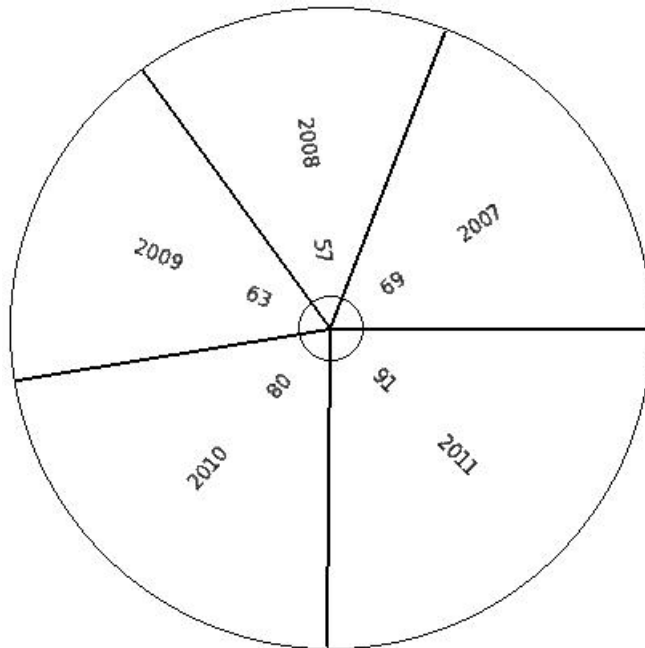


- (i) 2008-09 (ii) 2006-07 (iii) 2009-10
(iv) 2010-11 (v) 2007-08

Shown below is the total food grain production of

21. 315 million tonnes over 5 years.

Find the year that has maximum food grain production .



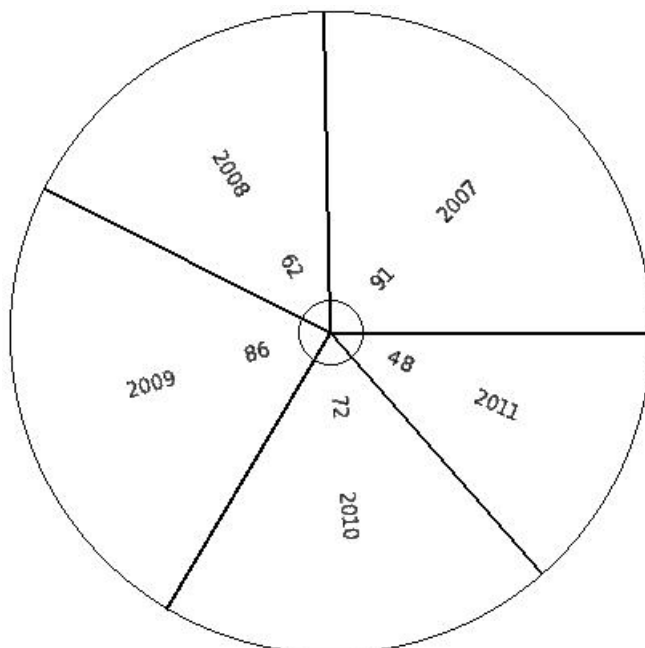
(i) 2008 (ii) 2009 (iii) 2010

(iv) 2007 (v) 2011

Shown below is the total food grain production of

22. 375 million tonnes over 5 years.

Find the year that has minimum food grain production .

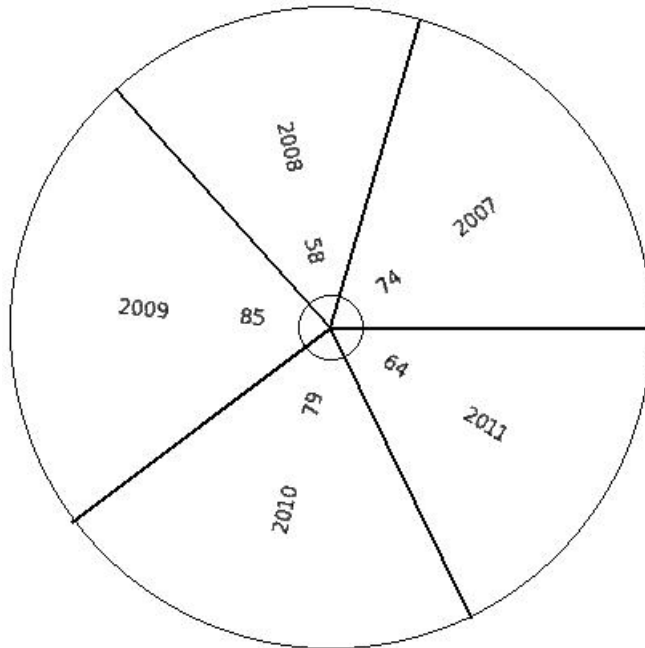


- (i) 2007 (ii) 2010 (iii) 2008
(iv) 2011 (v) 2009
-

Shown below is the total food grain production of

23. 340 million tonnes over 5 years.

Find the year that has 55 million tonnes food grain production .

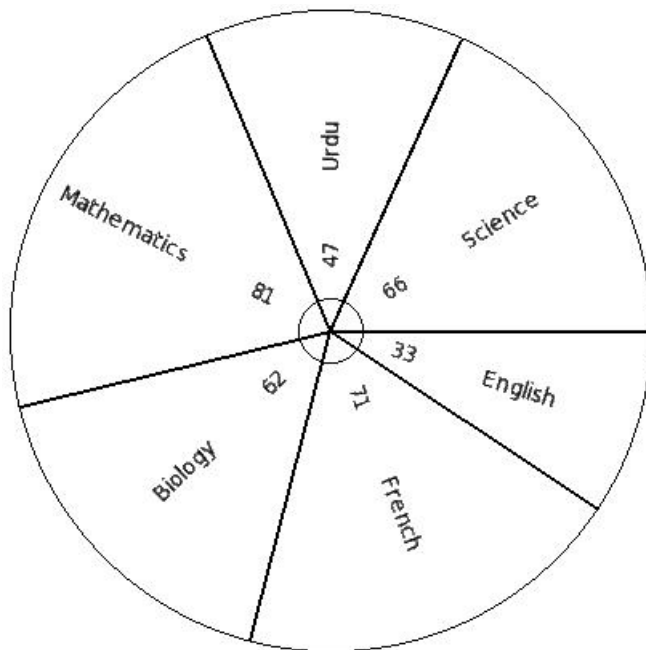


- (i) 2010 (ii) 2007 (iii) 2009
(iv) 2011 (v) 2008
-

The total marks obtained by Ajay in his annual exam are

24. 380 as shown below.

Find the subject that has maximum score .

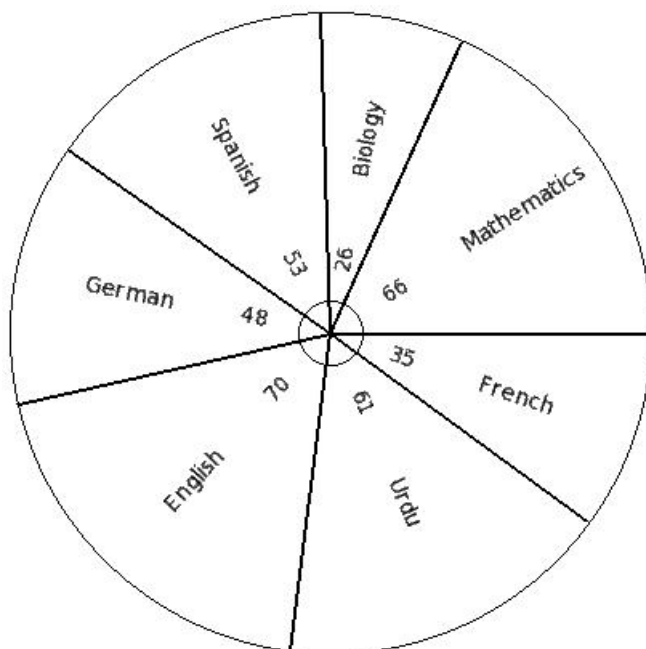


- (i) French (ii) Mathematics (iii) Science
(iv) English (v) Urdu

The total marks obtained by Anil in his annual exam are

25. 410 as shown below.

Find the subject that has minimum score .

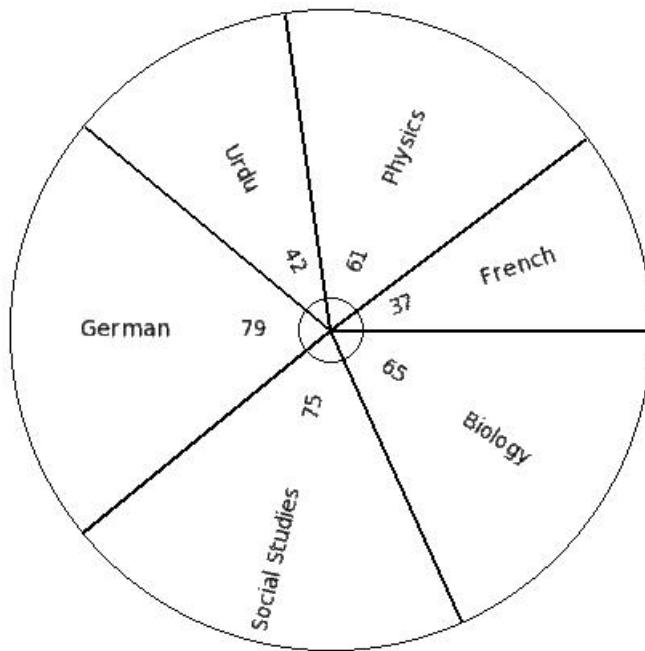


- (i) English (ii) German (iii) Biology
(iv) Mathematics (v) Spanish

26. The total marks obtained by Prasad in his annual exam are

385 as shown below.

Find the subject that has 40 score .

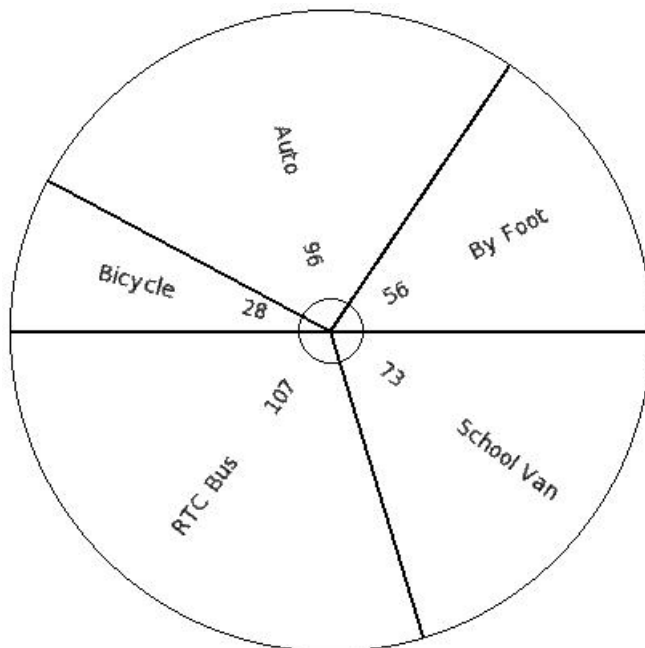


- (i) French (ii) German (iii) Physics
(iv) Urdu (v) Social Studies

1280 students of a certain locality use different modes

27. of travel to school as shown below.

Find the mode of travel that has maximum students .

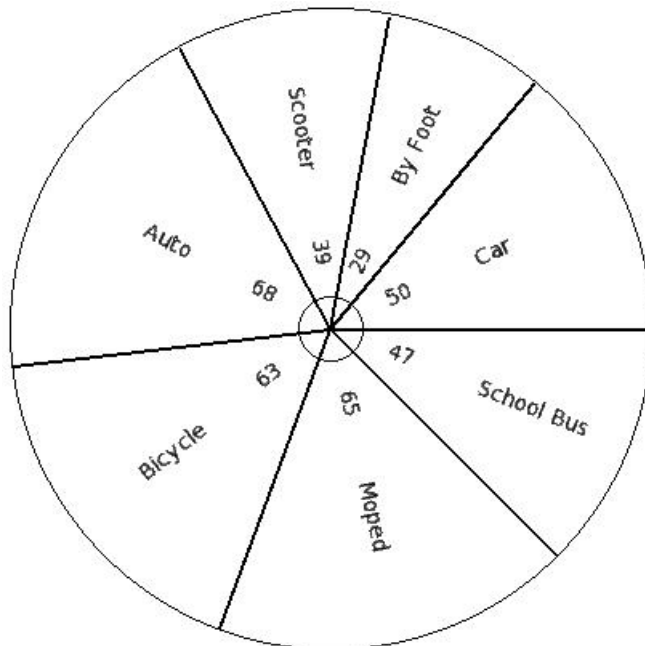


- (i) School Van (ii) RTC Bus (iii) By Foot
(iv) Auto (v) Bicycle

1380 students of a certain locality use different modes

28. of travel to school as shown below.

Find the mode of travel that has minimum students .

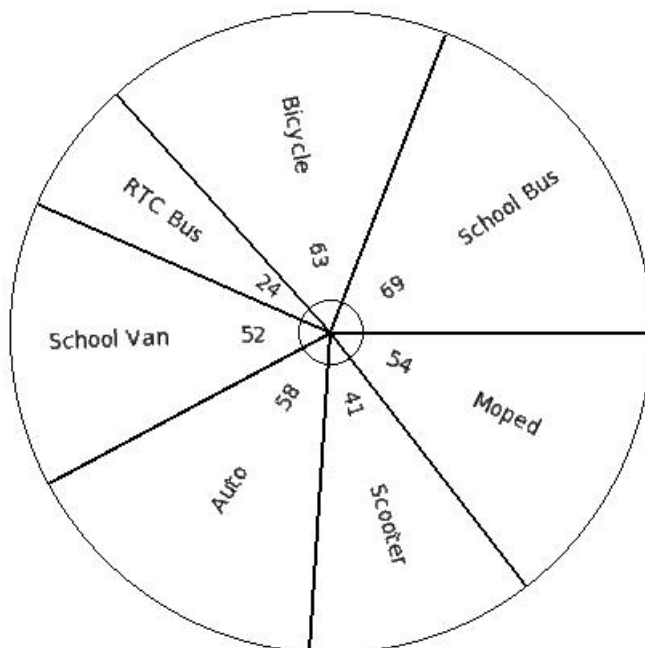


- (i) Moped (ii) Car (iii) By Foot
(iv) Scooter (v) School Bus

1940 students of a certain locality use different modes

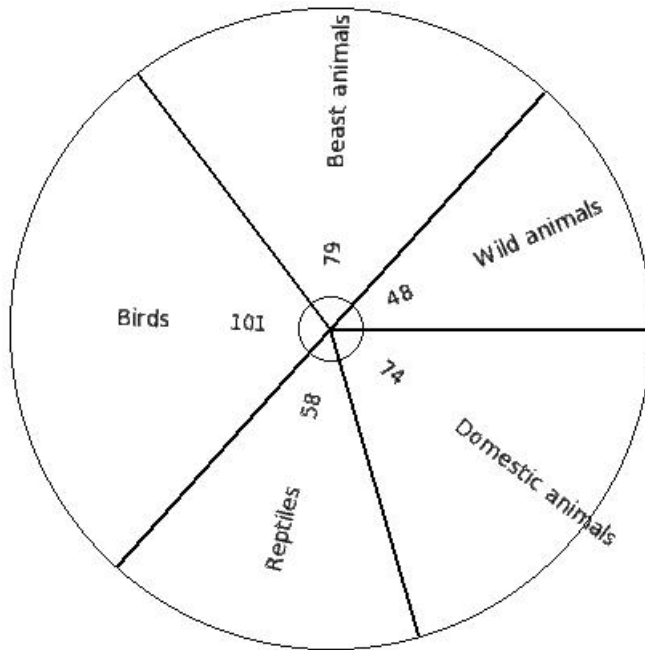
29. of travel to school as shown below.

Find the mode of travel that has 220 students .



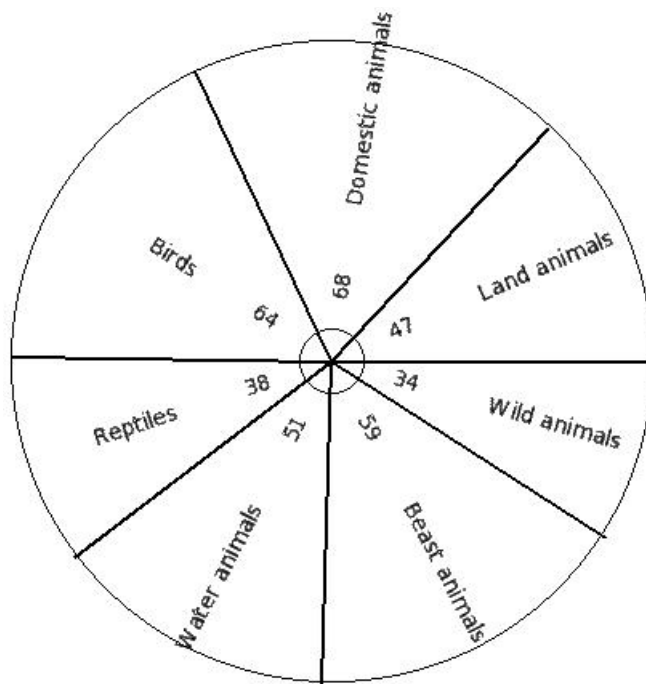
- (i) Moped (ii) School Bus (iii) Bicycle
(iv) Scooter (v) RTC Bus
-

30. There are 680 creatures in a zoo.
Find the type of creature that has maximum presense in the zoo .



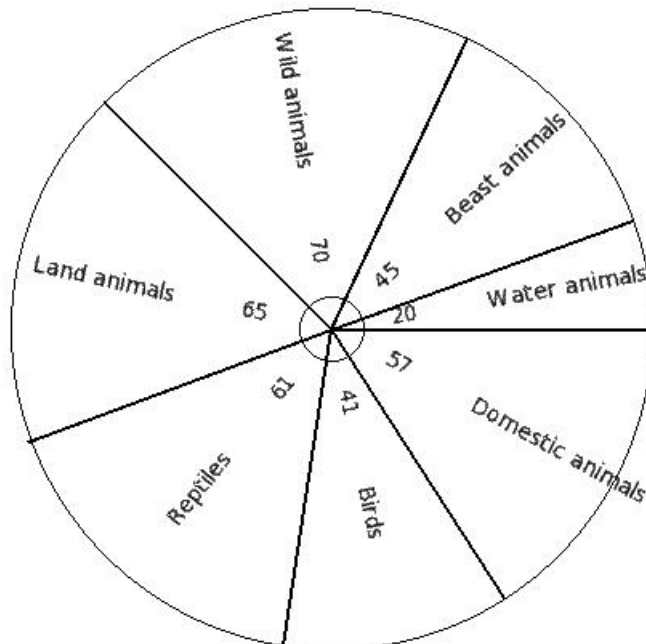
- (i) Birds (ii) Domestic animals (iii) Wild animals
(iv) Beast animals (v) Reptiles
-

31. There are 850 creatures in a zoo.
Find the type of creature that has minimum presense in the zoo .



- (i) Beast animals (ii) Birds (iii) Wild animals
 (iv) Domestic animals (v) Water animals

32. There are 880 creatures in a zoo.
 Find the type of creature that has 170 creatures present in the zoo.

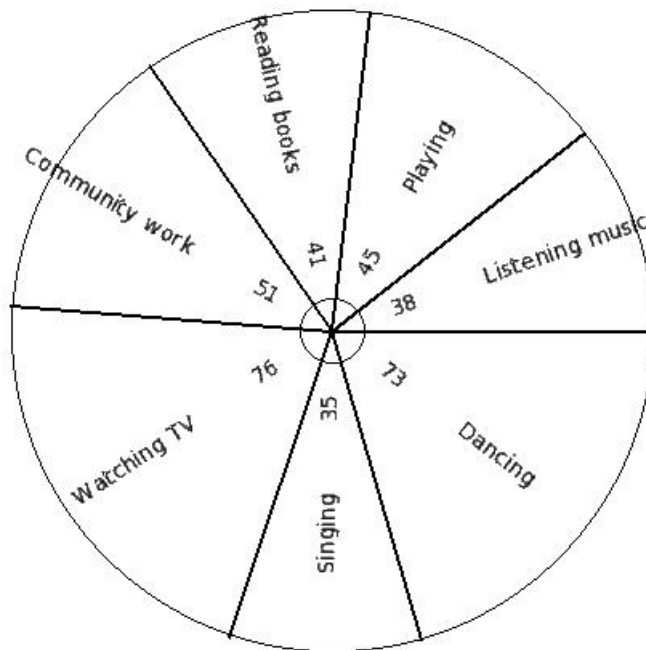


- (i) Domestic animals (ii) Reptiles (iii) Beast animals
 (iv) Water animals (v) Wild animals

33. A survey of 1130 school students was done to know

the preferred free time activity.

Find the activity that has maximum preference .

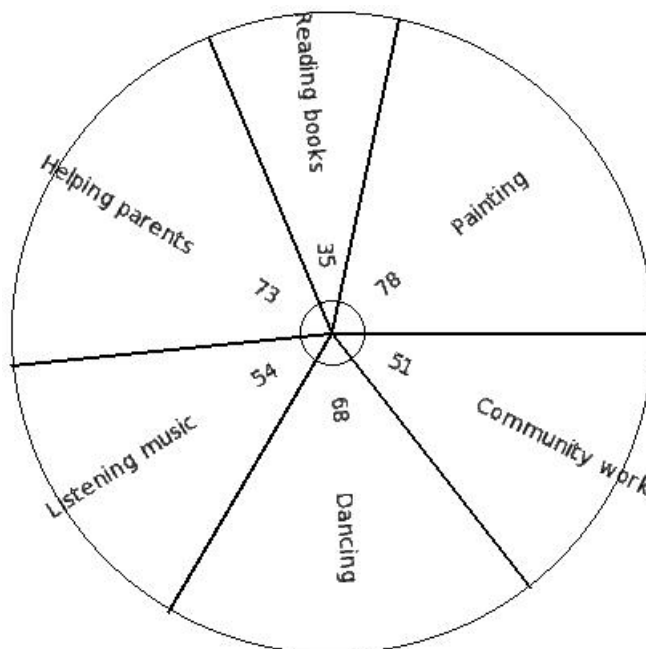


- (i) Watching TV (ii) Listening music (iii) Playing
 (iv) Community work (v) Dancing

A survey of 1330 school students was done to know

34. the preferred free time activity.

Find the activity that has minimum preference .

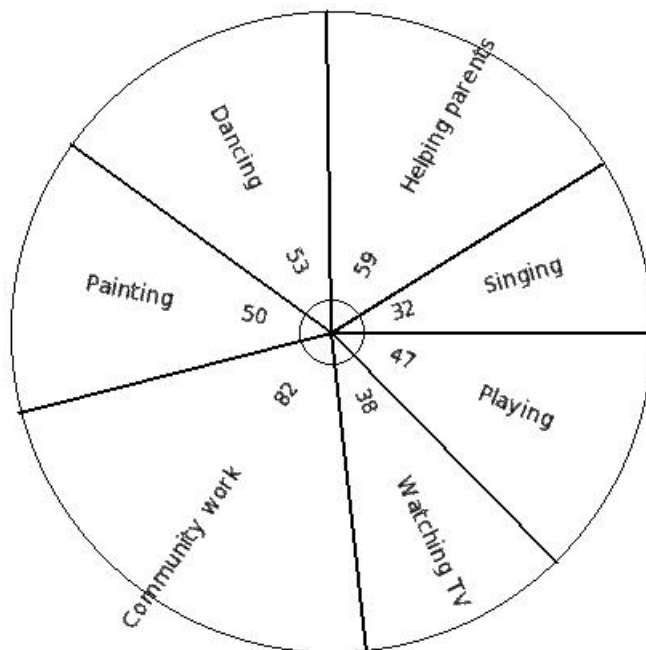


- (i) Community work (ii) Reading books (iii) Dancing
 (iv) Painting (v) Listening music

A survey of 1230 school students was done to know

35. the preferred free time activity.

Find the activity that has 160 student preference .

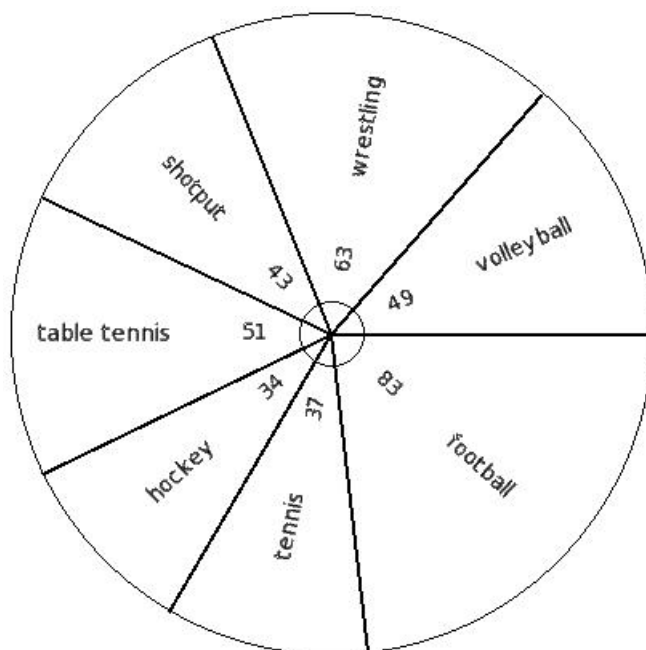


- (i) Playing (ii) Community work (iii) Painting
(iv) Helping parents (v) Watching TV

The following pie chart shows 1260 students

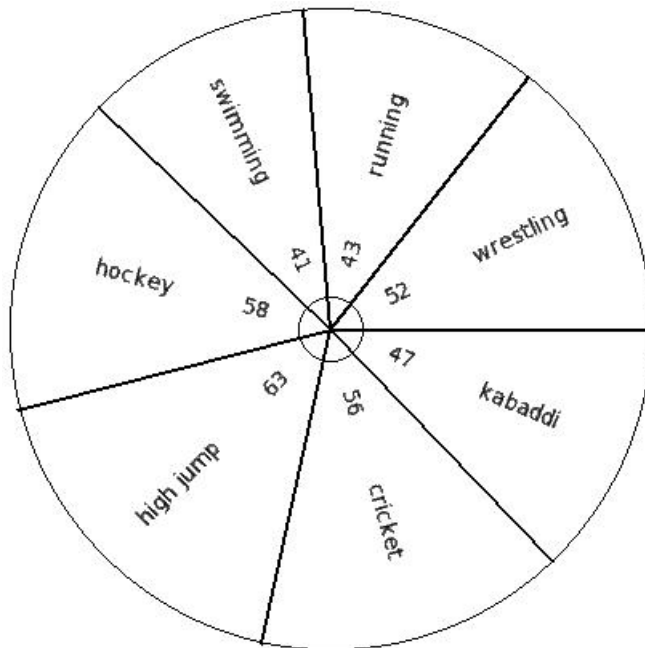
36. of a school participating in various games.

Find the game that has maximum participation .



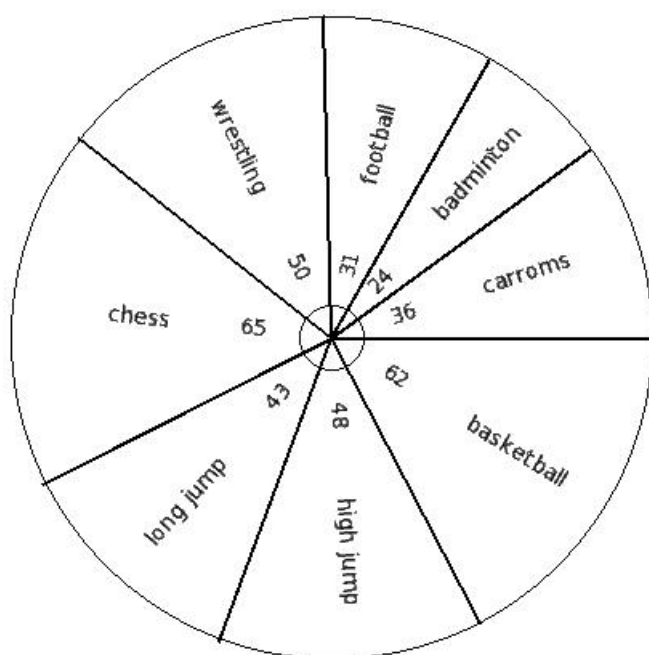
- (i) table tennis (ii) wrestling (iii) tennis
(iv) hockey (v) football
-

- The following pie chart shows 1670 students
37. of a school participating in various games.
Find the game that has minimum participation .



- (i) hockey (ii) running (iii) swimming
(iv) high jump (v) cricket
-

- The following pie chart shows 1500 students
38. of a school participating in various games.
Find the game that has 180 student participation .



- (i) long jump (ii) football (iii) chess
(iv) wrestling (v) high jump

The following table gives the data regarding the favourite sport of 459 students of a school.

39. Find the pie chart sector angle for "table tennis"

Sport	shotput	basketball	hockey	wrestling	boxing	badminton	table tennis	running
No. of students	36	63	99	18	90	72	27	54

- (i) 22.18° (ii) 20.18° (iii) 23.18° (iv) 19.18° (v) 21.18°

A man earns Rs 3735 per month. His expenditure during a month is as follows.

Find the pie chart sector angle for "Clothing"

40.

Item	Water	Rent	Food	Dish bill	Clothing	Insurance	Savings
Expenses (in rupees)	225	270	495	540	630	765	810

- (i) 58.72° (ii) 62.72° (iii) 60.72° (iv) 61.72° (v) 59.72°

41. Pie-diagram consists of

- (i) squares (ii) circles (iii) sectors (iv) triangles

42. The statistical diagram that shows the relative sizes of various parts in the total data is

- (i) pictograph (ii) bar diagram (iii) sectors (iv) pie-diagram

43. Sum of the angles of various sectors in a pie-diagram

(i) 360° (ii) 90° (iii) 270° (iv) 180°

The total export earnings of ₹3060 crores of a country during five years is shown below.
Find the pie chart sector angle for "2008-09"

44.

Years	2006-07	2007-08	2008-09	2009-10	2010-11
Exports(in thousand crore)	180	450	540	900	990

(i) 63.53° (ii) 65.53° (iii) 64.53° (iv) 62.53° (v) 61.53°

Shown below is the total food grain production of 3780 million tonnes over 5 years.

Find the pie chart sector angle for "2011"

45.

Years	2007	2008	2009	2010	2011
Foodgrains (in million tonnes)	450	540	810	900	1080

(i) 103.86° (ii) 104.86° (iii) 100.86° (iv) 102.86° (v) 101.86°

The total marks obtained by Ayush in his annual exam are 425 as shown below.

Find the pie chart sector angle for "Telugu"

46.

Subject	English	Social Studies	Biology	Hindi	Physics	French	Telugu
Marks obtained	40	80	70	85	55	30	65

(i) 55.06° (ii) 54.06° (iii) 57.06° (iv) 56.06° (v) 53.06°

1062 students of a certain locality use different modes of travel to school as shown below.

Find the pie chart sector angle for "School Bus"

47.

Mode of travel	Moped	RTC Bus	Bicycle	Scooter	School Bus
No. of students	90	180	234	252	306

(i) 101.73° (ii) 104.73° (iii) 102.73° (iv) 105.73° (v) 103.73°

There are 5310 creatures in a zoo as shown below.

Find the pie chart sector angle for "Domestic animals"

48.

Type of creatures	Domestic animals	Wild animals	Reptiles	Birds	Water animals	Land animals	Beast animals
No. of creatures	180	450	630	810	900	990	1350

(i) 12.20° (ii) 14.20° (iii) 13.20° (iv) 10.20° (v) 11.20°

The table below shows the preferred free time activity of 522 school students.

Find the pie chart sector angle for "Watching TV"

49.

Activity	Singing	Painting	Watching TV	Playing	Dancing
No.of students	54	90	108	126	144

(i) 74.48° (ii) 75.48° (iii) 73.48° (iv) 72.48° (v) 76.48°

The following table shows 1746 students of a school participating in various games.

Find the pie chart sector angle for "shotput"

50.

Games	volleyball	football	basketball	kabaddi	wrestling	running	cricket	shotput
No. of students	72	180	198	270	288	306	342	90

(i) 19.56° (ii) 18.56° (iii) 20.56° (iv) 16.56° (v) 17.56°

Assignment Key

- 1) (iii)
- 2) (iv)
- 3) (ii)
- 4) (ii)
- 5) (i)
- 6) (ii)
- 7) (iv)
- 8) (iv)
- 9) (iv)
- 10) (v)
- 11) (i)
- 12) (iv)
- 13) (v)
- 14) (i)
- 15) (i)
- 16) (iv)
- 17) (iv)
- 18) (ii)
- 19) (iv)
- 20) (iii)
- 21) (v)
- 22) (iv)
- 23) (v)
- 24) (ii)
- 25) (iii)
- 26) (i)
- 27) (ii)
- 28) (iii)
- 29) (iv)
- 30) (i)
- 31) (iii)
- 32) (v)
- 33) (i)
- 34) (ii)
- 35) (i)
- 36) (v)
- 37) (iii)
- 38) (i)
- 39) (v)

40) (iii)

41) (iii)

42) (iv)

43) (i)

44) (i)

45) (iv)

46) (i)

47) (v)

48) (i)

49) (i)

50) (ii)