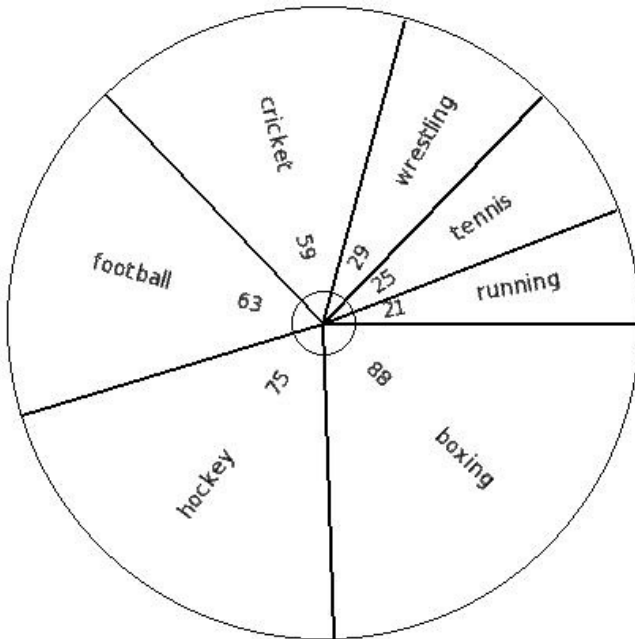1. The following pie chart gives the data regarding the favourite sport of 774 students of a school. Identify the table for the given pie diagram.



(i)

| Sport | running | tennis | wrestling | cricket | football | hockey | boxing |
|---|---|---|---|---|---|---|---|
| No. of students | 45 | 54 | 63 | 126 | 135 | 162 | 189 |

(ii)

| Sport | running | tennis | wrestling | cricket | football | hockey | boxing |
|---|---|---|---|---|---|---|---|
| No. of students | 126 | 63 | 189 | 45 | 135 | 54 | 162 |

(iii)

| Sport | running | tennis | wrestling | cricket | football | hockey | boxing |
|---|---|---|---|---|---|---|---|
| No. of students | 63 | 189 | 126 | 162 | 135 | 45 | 54 |

(iv)

| Sport | running | tennis | wrestling | cricket | football | hockey | boxing |
|---|---|---|---|---|---|---|---|
| No. of students | 135 | 63 | 45 | 162 | 126 | 54 | 189 |

(v)

| Sport | running | tennis | wrestling | cricket | football | hockey | boxing |
|---|---|---|---|---|---|---|---|
| No. of students | 189 | 135 | 45 | 54 | 162 | 126 | 63 |

2. The following pie chart shows the monthly budget of a family. Identify the table for the given pie diagram.



(i)
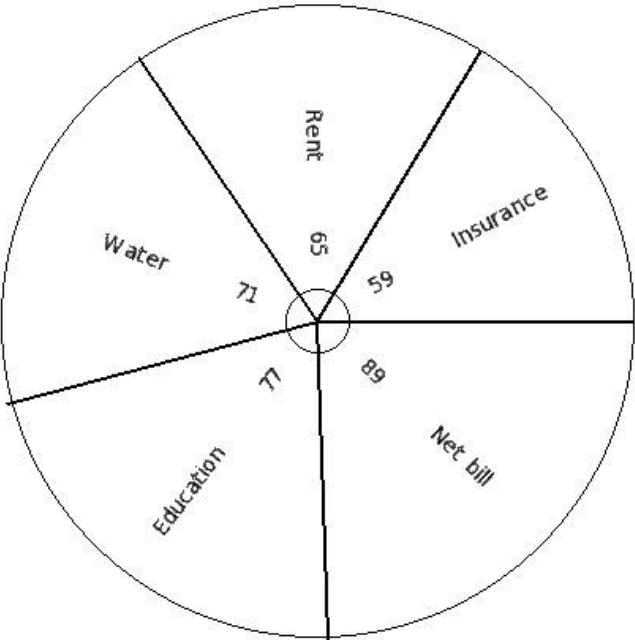
| Item | Insurance | Rent | Water | Education | Net bill |
|------|-----------|------|-------|-----------|----------|
| **Expenses (in Rs)** | 1800 | 1980 | 2160 | 2340 | 2700 |

(ii)

| Item | Insurance | Rent | Water | Education | Net bill |
|------|-----------|------|-------|-----------|----------|
| **Expenses (in Rs)** | 1800 | 2340 | 1980 | 2700 | 2160 |

(iii)

| Item | Insurance | Rent | Water | Education | Net bill |
|------|-----------|------|-------|-----------|----------|
| **Expenses (in Rs)** | 2160 | 1800 | 2340 | 2700 | 1980 |

(iv)

| Item | Insurance | Rent | Water | Education | Net bill |
|------|-----------|------|-------|-----------|----------|
| **Expenses (in Rs)** | 2700 | 1800 | 2340 | 1980 | 2160 |

(v)

| Item | Insurance | Rent | Water | Education | Net bill |
|------|-----------|------|-------|-----------|----------|
| **Expenses (in Rs)** | 2340 | 1800 | 2700 | 1980 | 2160 |

3. The results declared by a school was as under. Identify the table for the given pie diagram.
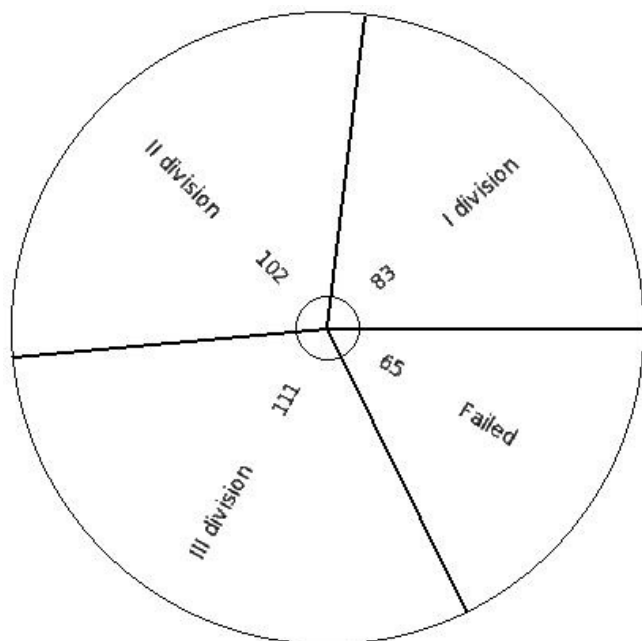


(i)
| Result | I division | II division | III division | Failed |
|---|---|---|---|---|
| No. of Students | 99 | 63 | 81 | 108 |

(ii)
| Result | I division | II division | III division | Failed |
|---|---|---|---|---|
| No. of Students | 108 | 99 | 81 | 63 |

(iii)
| Result | I division | II division | III division | Failed |
|---|---|---|---|---|
| No. of Students | 81 | 99 | 108 | 63 |

(iv)
| Result | I division | II division | III division | Failed |
|---|---|---|---|---|
| No. of Students | 63 | 108 | 99 | 81 |

4. The total marks obtained by a student in his annual examination is 405. Find the maximum marks.
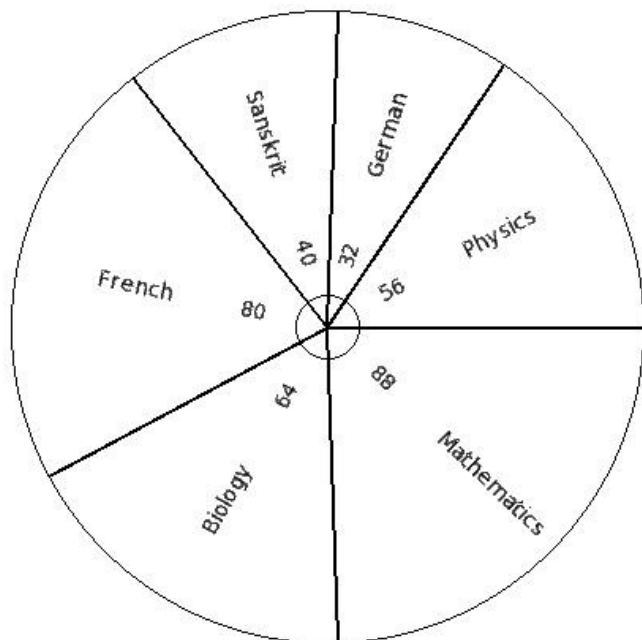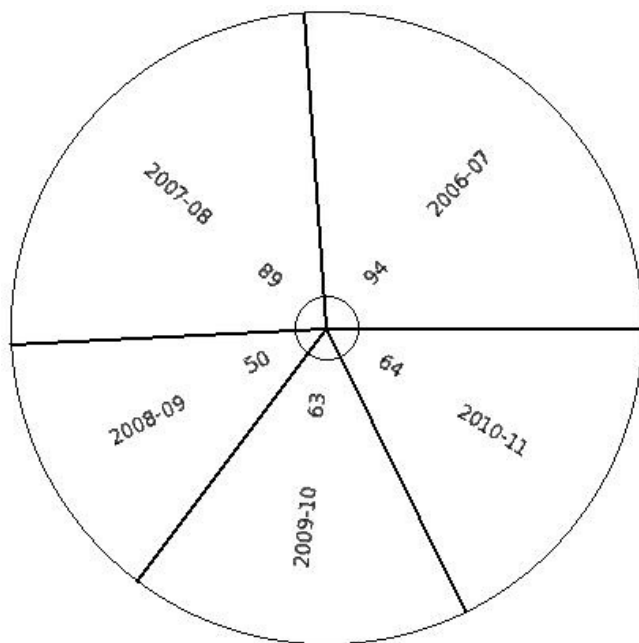


(i) 99  (ii) 98  (iii) 97  (iv) 101  (v) 100

5. The total marks obtained by a student in his annual examination is 540. Find the minimum marks.
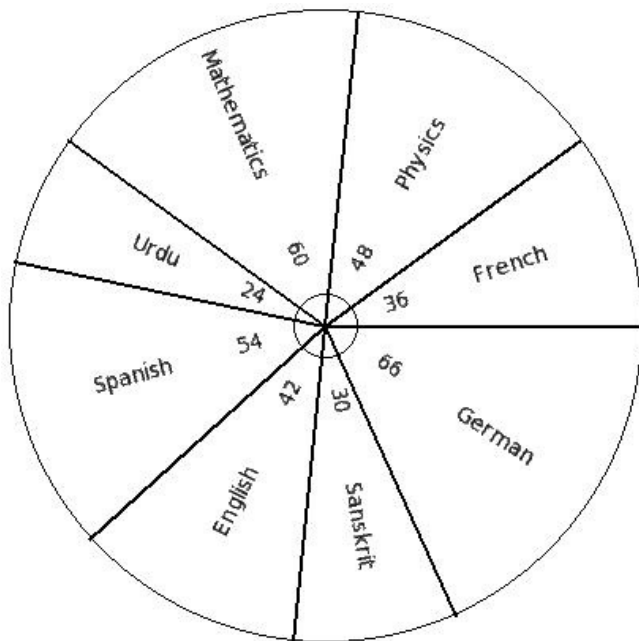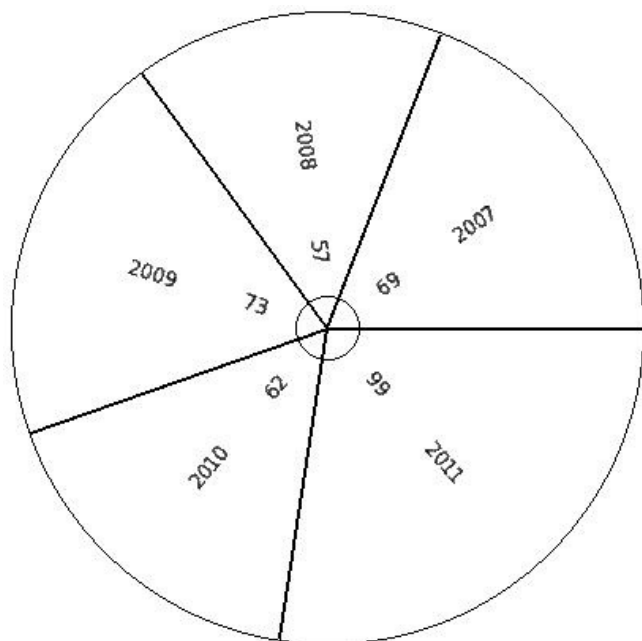


    (i) 37  (ii) 38  (iii) 36  (iv) 34  (v) 35

6. The total export earnings of ₹3240 crores of a country during five years is shown below. Find the earnings (in crores) in 2009-10.
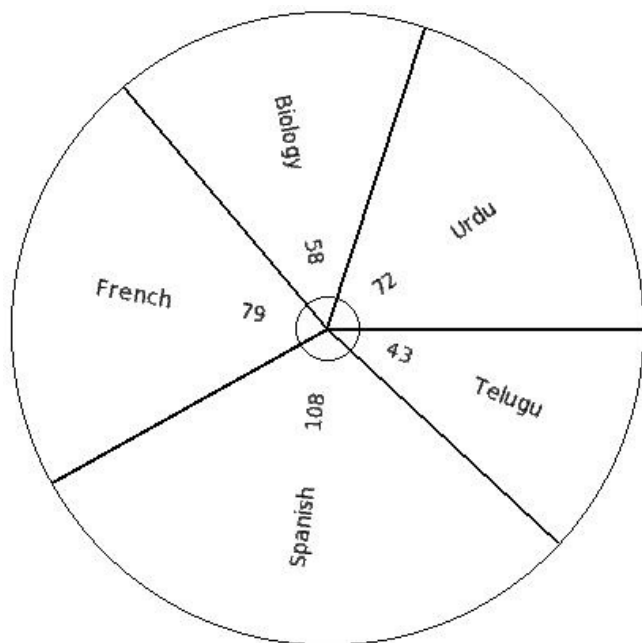


    (i) 564  (ii) 567  (iii) 565  (iv) 570  (v) 569

7. Shown below is the total food grain production of 720 million tonnes over 5 years. Find the production (in million tonnes) in 2011.
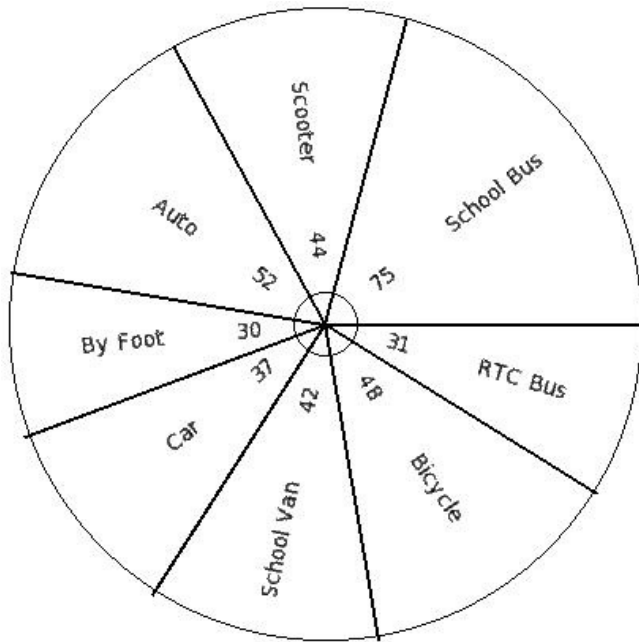


(i) 196  (ii) 195  (iii) 200  (iv) 201  (v) 198

8. The total marks obtained by Hari in his annual exam are 250 as shown below. Find the marks in "French".
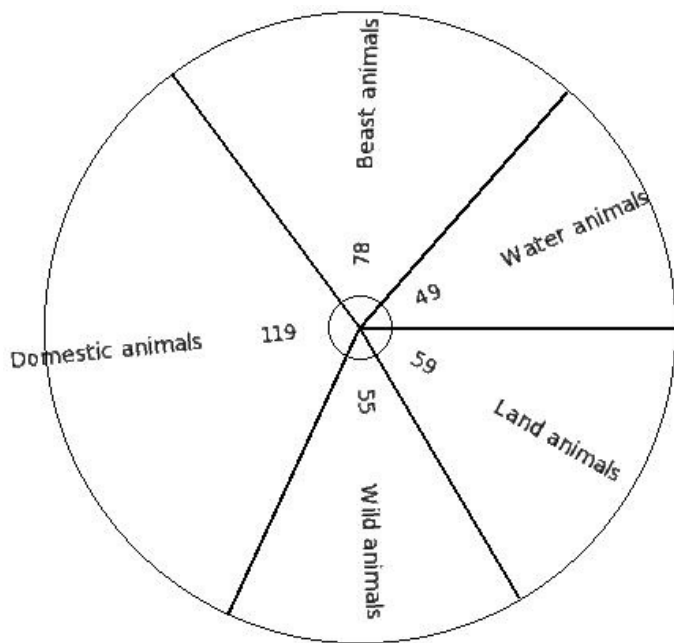


(i) 57  (ii) 55  (iii) 53  (iv) 52  (v) 58

9. 1260 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 "Auto".
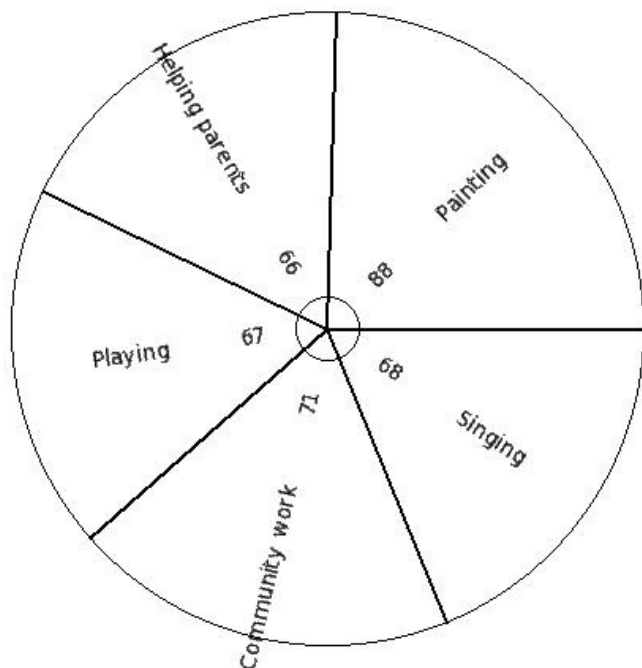


(i) 185  (ii) 182  (iii) 180  (iv) 179  (v) 184

10. There are 3600 creatures in a zoo. Find the count of "Land animals".



(i) 588  (ii) 593  (iii) 590  (iv) 587  (v) 592

11. A survey of 900 school students was done to know the preferred free time activity. Find the number of students who prefer "Playing".
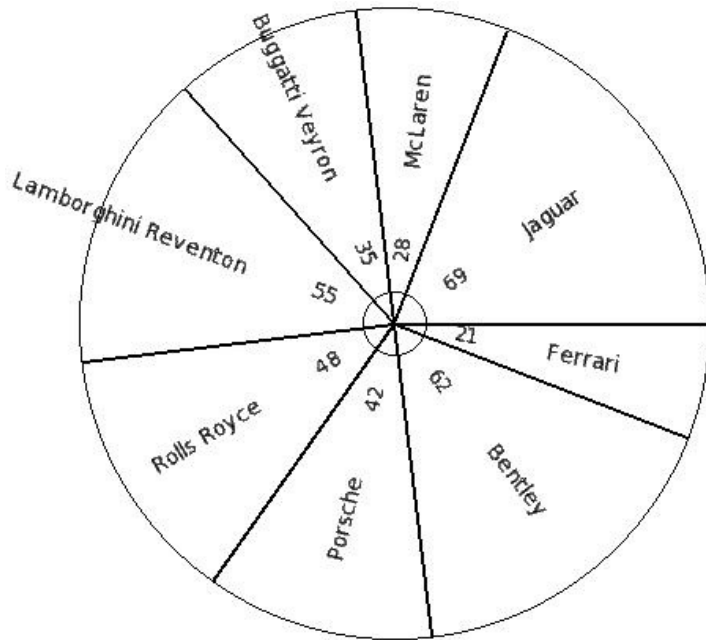


(i) 168  (ii) 170  (iii) 166  (iv) 165  (v) 171

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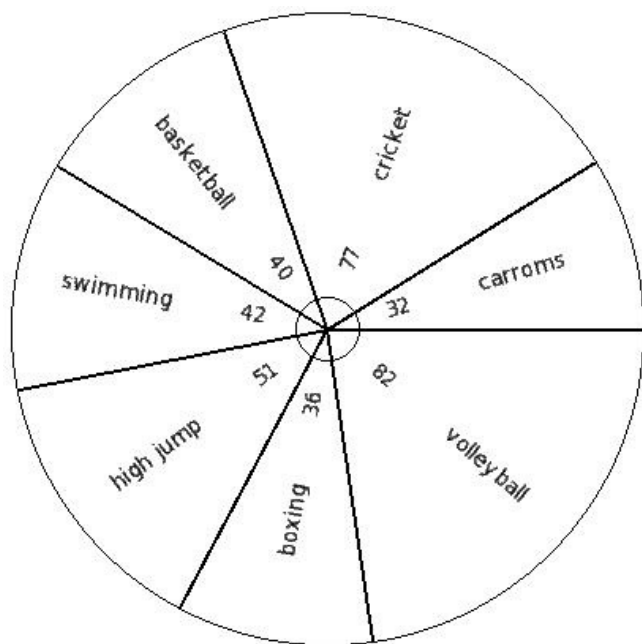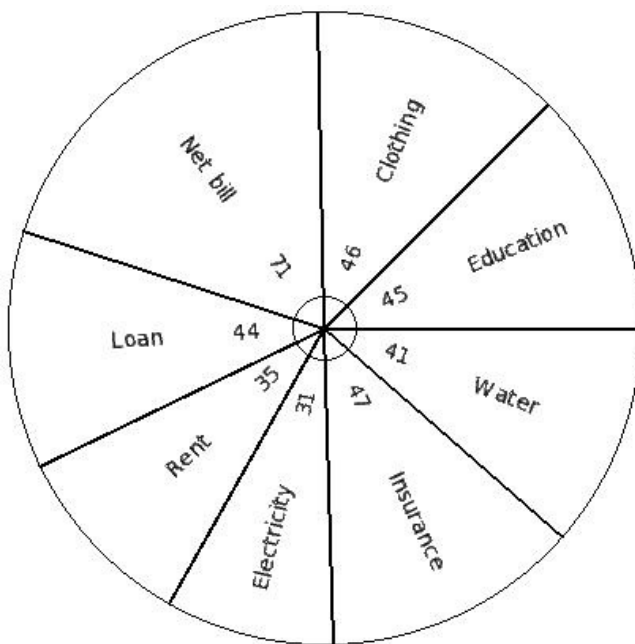


(i) 51  (ii) 45  (iii) 46  (iv) 48  (v) 50

13. The pie chart given below shows purchase of number of cars of different automobile companies in America. Identify the sector angle of "McLaren".
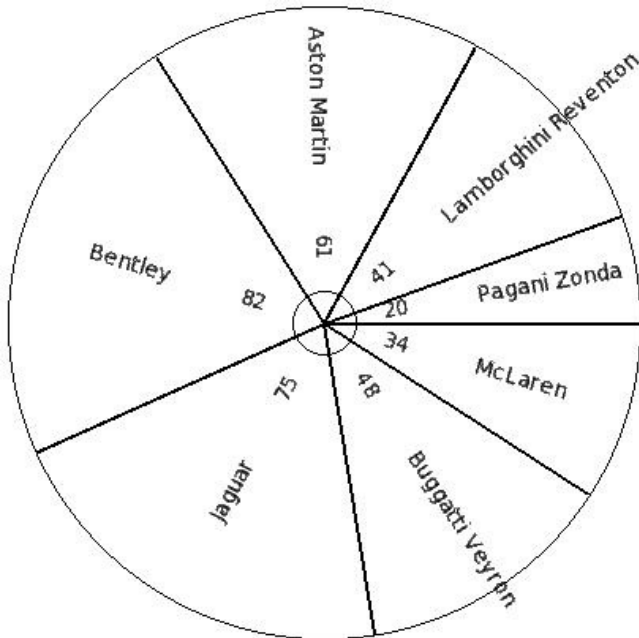


(i) 29 (ii) 28 (iii) 26 (iv) 27 (v) 30

14. The pie diagram given below shows the monthly family expenditure of a person earning ₹14400 per month. How much does he spend on "Insurance"?
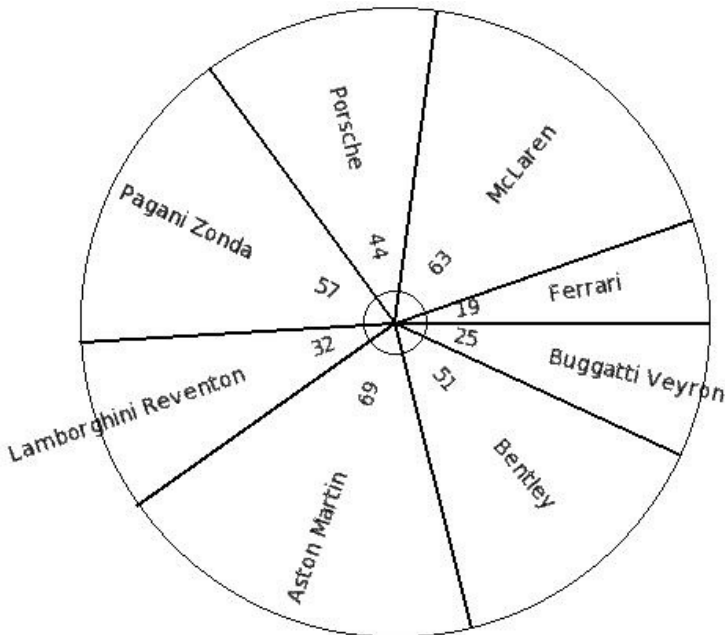


(i) ₹1879.00 (ii) ₹1878.00 (iii) ₹1881.00 (iv) ₹1882.00 (v) ₹1880.00

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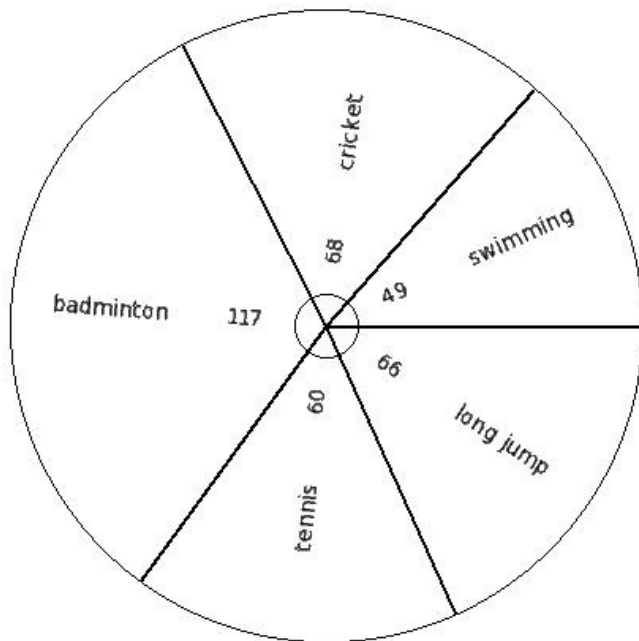


(i)  Pagani Zonda  (ii)  Bentley  (iii)  McLaren  (iv)  Lamborghini Reventon  (v)  Jaguar

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



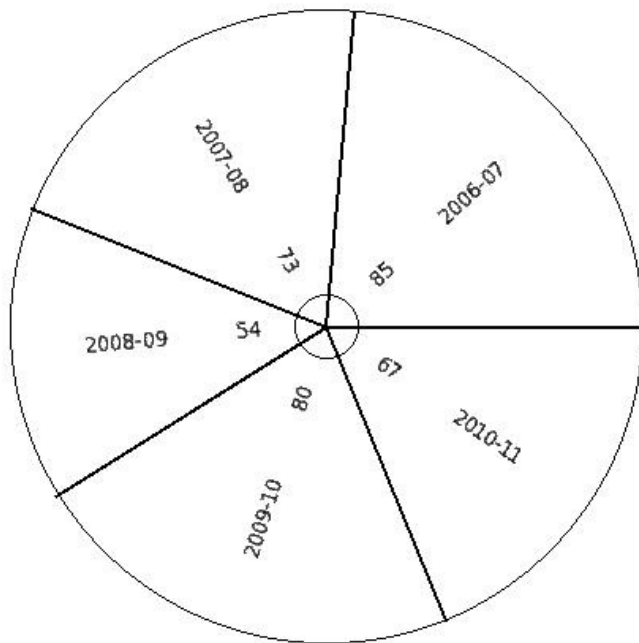(i)  Buggatti Veyron  (ii)  Aston Martin  (iii)  Ferrari  (iv)  Pagani Zonda  (v)  McLaren

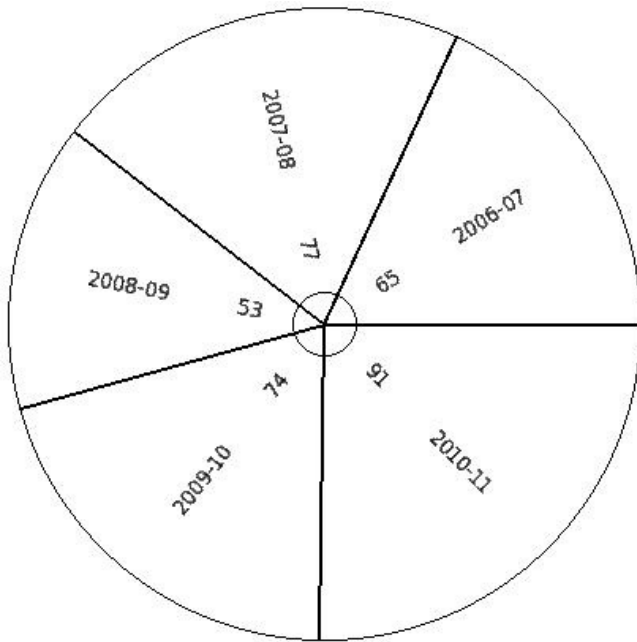17. The number of sectors present in the pie chart



(i) 5  (ii) 6  (iii) 4  (iv) 8  (v) 2

18. The total export earnings of ₹695 thousand crore of a country during five years is shown below. Find the year that has maximum export earnings.



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

**19.** The total export earnings of ₹775 thousand crore of a country during five years is shown below. Find the year that has minimum export earnings.
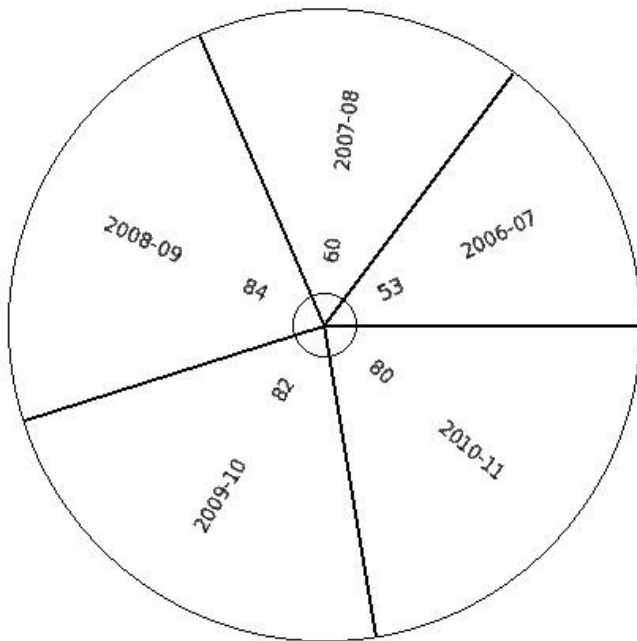


(i) 2008-09 (ii) 2009-10 (iii) 2007-08 (iv) 2010-11 (v) 2006-07

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**20.** The total export earnings of ₹810 thousand crore of a country during five years is shown below. Find the year that has 185 thousand crore export earnings.



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

21. Shown below is the total food grain production of 380 million tonnes over 5 years. Find the year that has maximum food grain production.
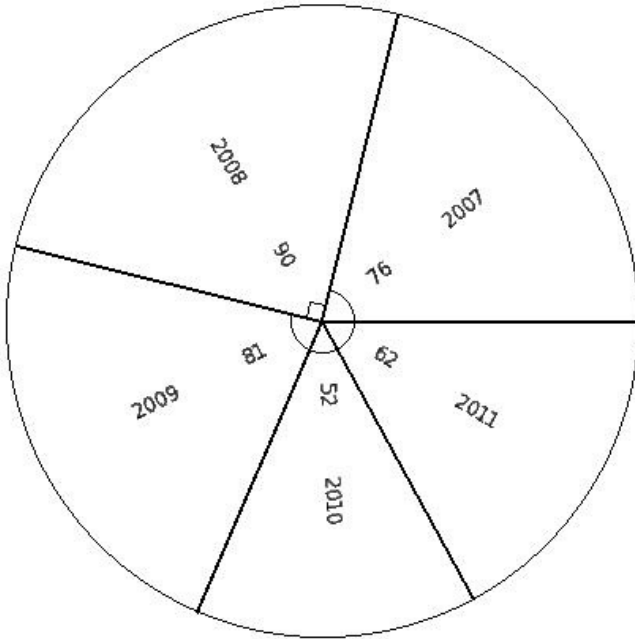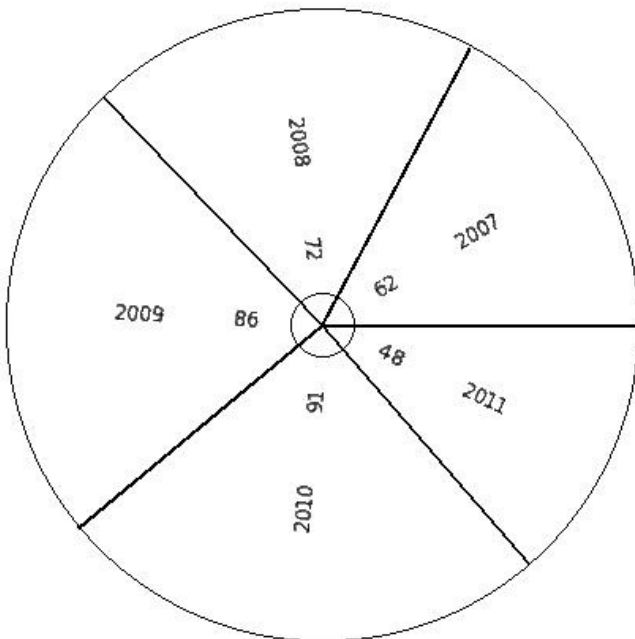


(i) 2007 (ii) 2011 (iii) 2010 (iv) 2009 (v) 2008

22. Shown below is the total food grain production of 375 million tonnes over 5 years. Find the year that has minimum food grain production.



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

23. Shown below is the total food grain production of 340 million tonnes over 5 years. Find the year that has 80 million tonnes food grain production.


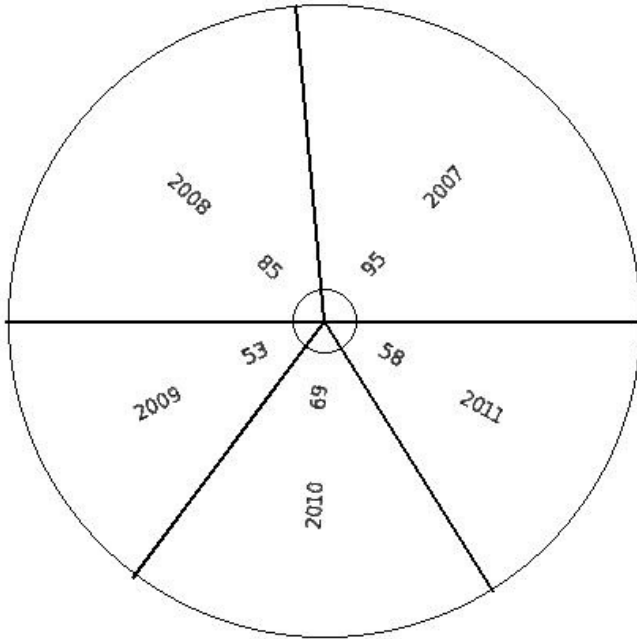
(i) 2010 (ii) 2007 (iii) 2011 (iv) 2008 (v) 2009

24. The total marks obtained by Martin in his annual exam are 495 as shown below. Find the subject that has maximum score.
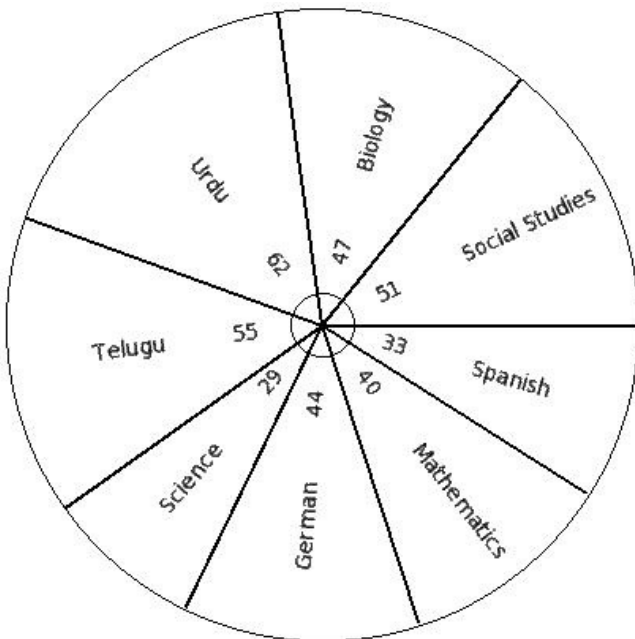


(i) German (ii) Social Studies (iii) Urdu (iv) Mathematics (v) Science

25. The total marks obtained by Mahender in his annual exam are 420 as shown below. Find the subject that has minimum score.
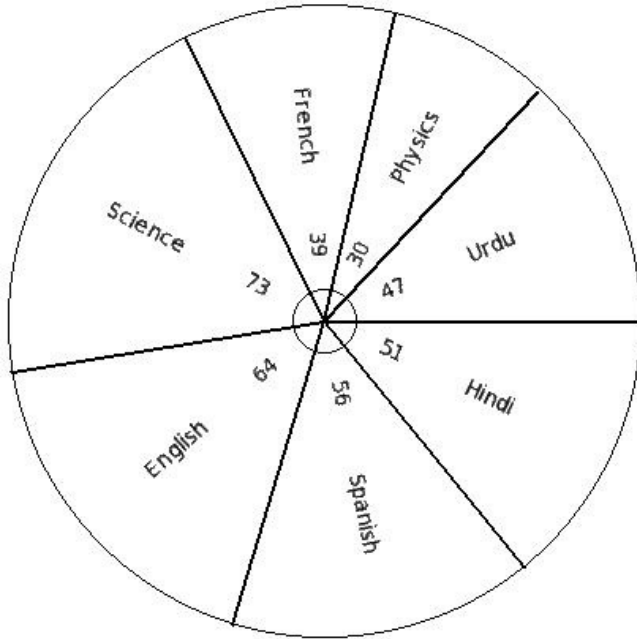


    (i) Hindi  (ii) Spanish  (iii) English  (iv) French  (v) Physics

26. The total marks obtained by Venkat in his annual exam are 360 as shown below. Find the subject that has 65 score.
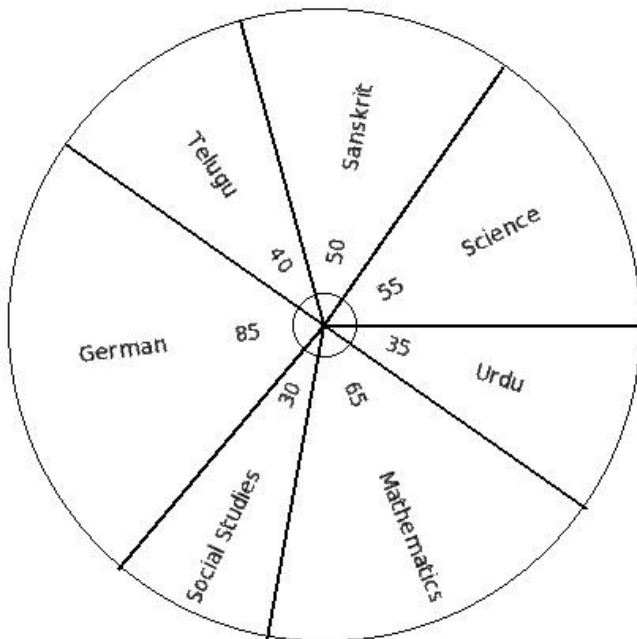


    (i) Mathematics  (ii) Science  (iii) German  (iv) Telugu  (v) Sanskrit

**27.** 1870 students of a certain locality use different modes of travel to school as shown below. Find the mode of travel that has maximum students.
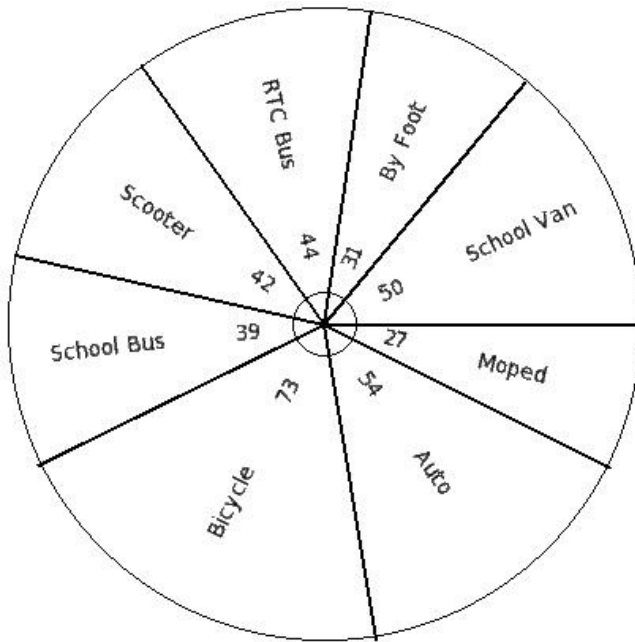


    (i)  Scooter  (ii)  School Van  (iii)  Moped  (iv)  Bicycle  (v)  RTC Bus

**28.** 1790 students of a certain locality use different modes of travel to school as shown below. Find the mode of travel that has minimum students.
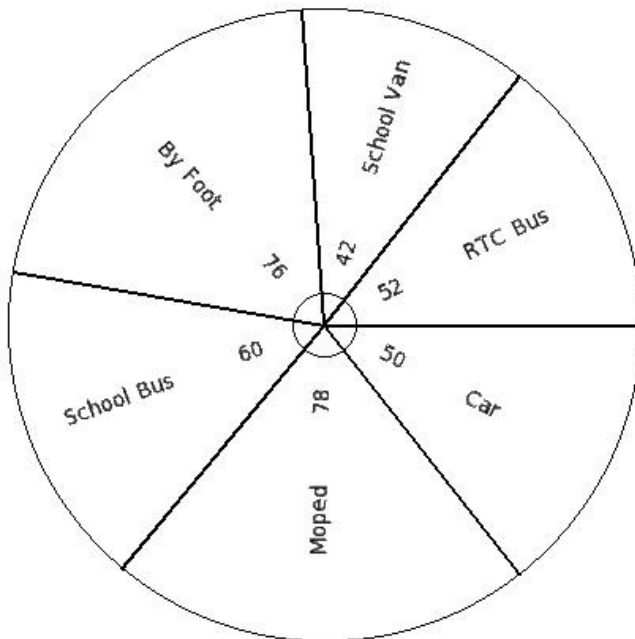


    (i)  School Van  (ii)  School Bus  (iii)  Moped  (iv)  By Foot  (v)  Car

29. 1840 students of a certain locality use different modes of travel to school as shown below. Find the mode of travel that has 280 students.
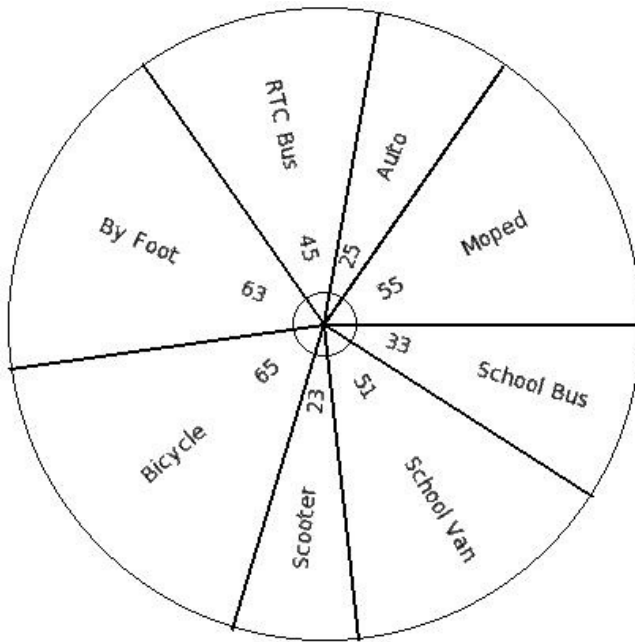


(i)  Bicycle  (ii)  School Van  (iii)  Moped  (iv)  Auto  (v)  Scooter

30. There are 840 creatures in a zoo. Find the type of creature that has maximum presense in the zoo.
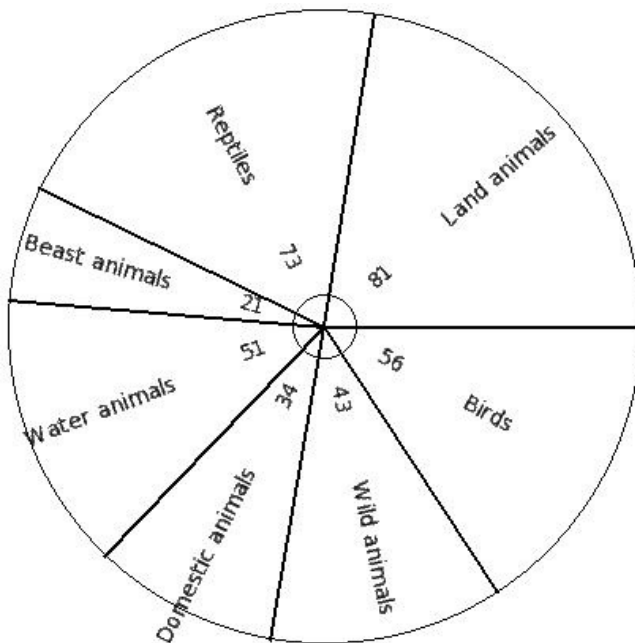


(i)  Beast animals  (ii)  Domestic animals  (iii)  Birds  (iv)  Wild animals  (v)  Land animals

31. There are 690 creatures in a zoo. Find the type of creature that has minimum presense in the zoo.
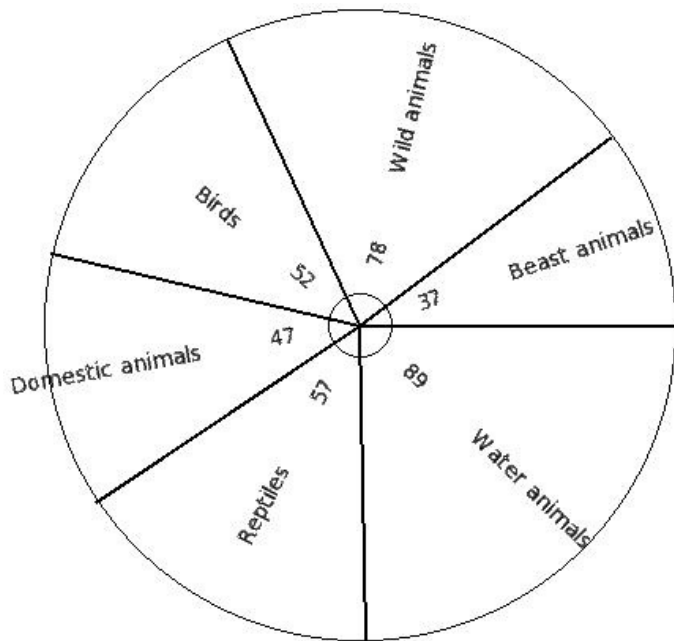


(i) Domestic animals (ii) Birds (iii) Wild animals (iv) Beast animals (v) Water animals

32. There are 840 creatures in a zoo. Find the type of creature that has 80 creatures presense in the zoo.
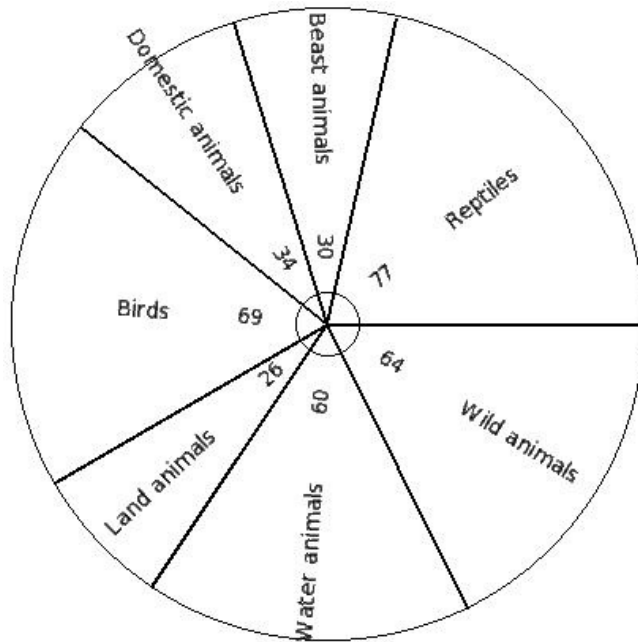


(i) Reptiles (ii) Land animals (iii) Wild animals (iv) Domestic animals (v) Beast animals

33. A survey of 770 school students was done to knowthe preferred free time activity. Find the activity that has maximum preference.
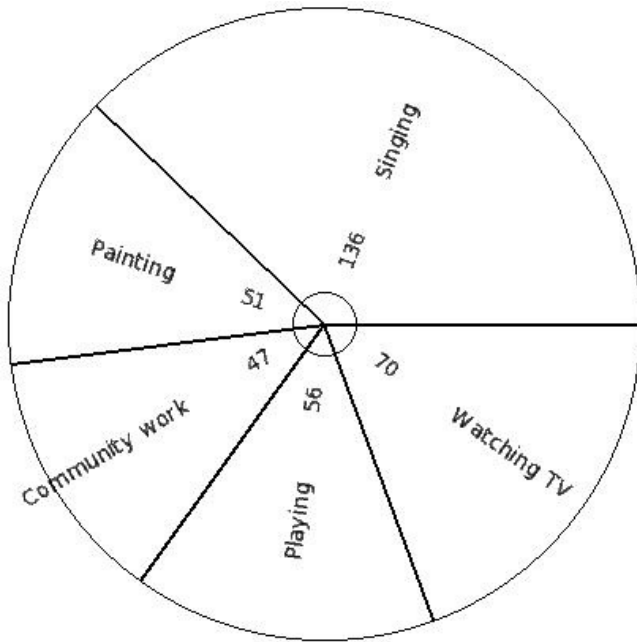


(i) Watching TV  (ii) Painting  (iii) Singing  (iv) Community work  (v) Playing

34. A survey of 1160 school students was done to knowthe preferred free time activity. Find the activity that has minimum preference.
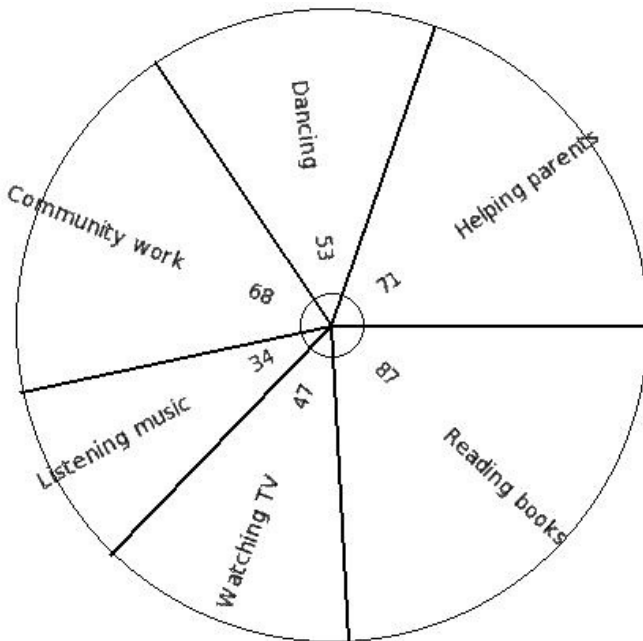


(i) Dancing  (ii) Listening music  (iii) Helping parents  (iv) Watching TV  (v) Community work

**35.** A survey of 1630 school students was done to know the preferred free time activity. Find the activity that has 170 student preference.
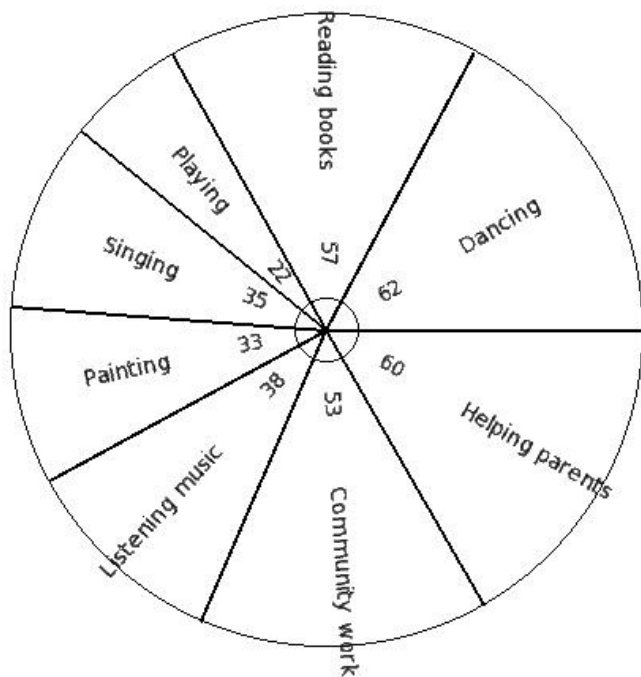


(i) Reading books  (ii) Singing  (iii) Dancing  (iv) Listening music  (v) Painting

**36.** The following pie chart shows 1320 students of a school participating in various games. Find the game that has maximum participation.
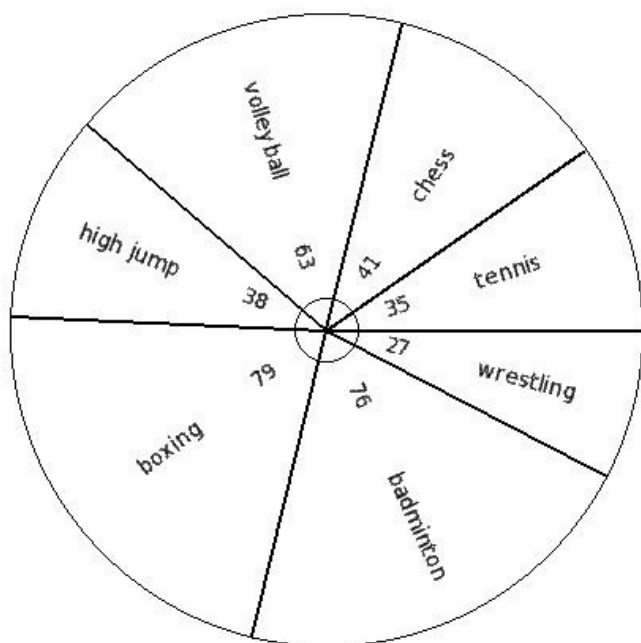


(i) wrestling  (ii) boxing  (iii) badminton  (iv) high jump  (v) tennis

37. The following pie chart shows 1150 students of a school participating in various games. Find the game that has minimum participation.
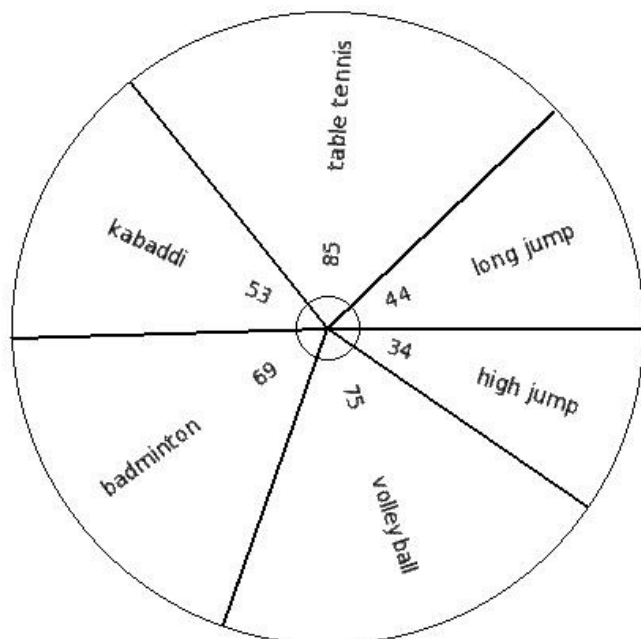


(i) kabaddi  (ii) badminton  (iii) table tennis  (iv) high jump  (v) volleyball

38. The following pie chart shows 1240 students of a school participating in various games. Find the game that has 100 student participation.
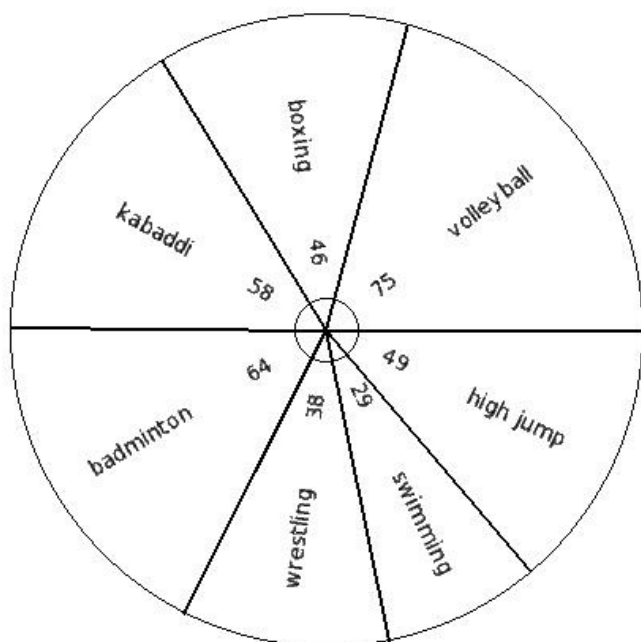


(i) swimming  (ii) wrestling  (iii) badminton  (iv) volleyball  (v) high jump

39. The following table gives the data regarding the favourite sport of 468 students of a school. Find the pie chart sector angle for "football"

| Sport | football | table tennis | kabaddi | high jump | wrestling | long jump | carroms | basketball |
|---|---|---|---|---|---|---|---|---|
| No. of students | 27 | 81 | 99 | 45 | 72 | 90 | 18 | 36 |

(i) 21.77°  (ii) 19.77°  (iii) 18.77°  (iv) 20.77°  (v) 22.77°

40. A man earns Rs 1845 per month. His expenditure during a month is as follows. Find the pie chart sector angle for "Misc."

| Item | Savings | Dish bill | Rent | Misc. | Water |
|---|---|---|---|---|---|
| Expenses (in rupees) | 90 | 180 | 405 | 540 | 630 |

(i) 106.37°  (ii) 104.37°  (iii) 107.37°  (iv) 103.37°  (v) 105.37°

41. Pie-diagram consists of

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

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

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

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

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

44. The total export earnings of ₹2970 crores of a country during five years is shown below. Find the pie chart sector angle for "2006-07"

| Years | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 |
|---|---|---|---|---|---|
| Exports(in thousand crore) | 180 | 360 | 540 | 900 | 990 |

   (i) 23.82°  (ii) 20.82°  (iii) 19.82°  (iv) 21.82°  (v) 22.82°

45. Shown below is the total food grain production of 2790 million tonnes over 5 years. Find the pie chart sector angle for "2008"

| Years | 2007 | 2008 | 2009 | 2010 | 2011 |
|---|---|---|---|---|---|
| Foodgrains (in million tonnes) | 270 | 450 | 540 | 720 | 810 |

   (i) 57.06°  (ii) 59.06°  (iii) 60.06°  (iv) 56.06°  (v) 58.06°

46. The total marks obtained by Varun in his annual exam are 270 as shown below. Find the pie chart sector angle for "Social Studies"

| Subject | Sanskrit | Physics | Science | French | Social Studies |
|---|---|---|---|---|---|
| Marks obtained | 30 | 80 | 35 | 40 | 85 |

   (i) 111.33°  (ii) 112.33°  (iii) 115.33°  (iv) 114.33°  (v) 113.33°

47. 720 students of a certain locality use different modes of travel to school as shown below. Find the pie chart sector angle for "Auto"

| Mode of travel | Scooter | School Bus | RTC Bus | Moped | Auto | Bicycle |
|---|---|---|---|---|---|---|
| No. of students | 36 | 54 | 72 | 126 | 162 | 270 |

   (i) 80.00°  (ii) 82.00°  (iii) 81.00°  (iv) 79.00°  (v) 83.00°

48. There are 5670 creatures in a zoo as shown below. Find the pie chart sector angle for "Reptiles"

| Type of creatures | Water animals | Wild animals | Reptiles | Beast animals | Birds | Domestic animals | Land animals |
|---|---|---|---|---|---|---|---|
| No. of creatures | 270 | 360 | 540 | 720 | 990 | 1170 | 1620 |

   (i) 33.29°  (ii) 34.29°  (iii) 36.29°  (iv) 32.29°  (v) 35.29°

49. The table below shows the preferred free time activity of 1062 school students. Find the pie chart sector angle for "Playing"

| Activity | Dancing | Community work | Painting | Playing | Singing |
|---|---|---|---|---|---|
| No.of students | 90 | 126 | 198 | 306 | 342 |

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

50. The following table shows 1638 students of a school participating in various games. Find the pie chart sector angle for "wrestling"

| Games | boxing | shotput | badminton | football | volleyball | basketball | swimming | wrestling |
|---|---|---|---|---|---|---|---|---|
| No. of students | 36 | 90 | 108 | 216 | 252 | 270 | 324 | 342 |

   (i) 77.16°  (ii) 73.16°  (iii) 74.16°  (iv) 76.16°  (v) 75.16°

## Assignment Key

| | | | | | |
|---|---|---|---|---|---|
| 1) (i) | 2) (i) | 3) (iii) | 4) (i) | 5) (iii) | 6) (ii) |
| 7) (v) | 8) (ii) | 9) (ii) | 10) (iii) | 11) (i) | 12) (iv) |
| 13) (ii) | 14) (v) | 15) (ii) | 16) (iii) | 17) (i) | 18) (iv) |
| 19) (i) | 20) (iv) | 21) (v) | 22) (iii) | 23) (iv) | 24) (iii) |
| 25) (v) | 26) (i) | 27) (iv) | 28) (i) | 29) (iii) | 30) (v) |
| 31) (iv) | 32) (iv) | 33) (iii) | 34) (ii) | 35) (iv) | 36) (ii) |
| 37) (iv) | 38) (i) | 39) (iv) | 40) (v) | 41) (ii) | 42) (iv) |
| 43) (ii) | 44) (iv) | 45) (v) | 46) (v) | 47) (iii) | 48) (ii) |
| 49) (ii) | 50) (v) | | | | |