# EduSahara™ Learning Center Assignment

**Grade** : Class VIII, CBSE
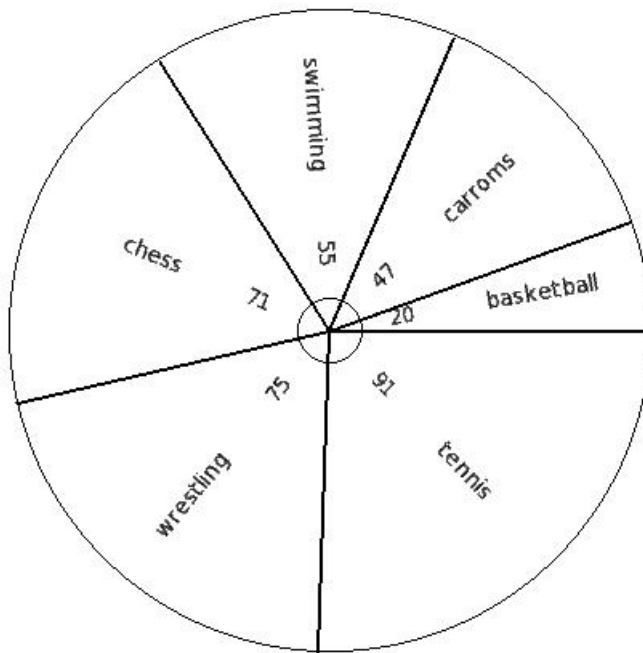**Chapter** : Data Handling
**Name** : Pie Chart
**Licensed To** : Teachers and Students for non-commercial use

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The following pie chart gives the data regarding

1. the favourite sport of 819 students of a school.

   Identify the table for the given pie diagram.



(i)

| Sport | basketball | carroms | swimming | chess | wrestling | tennis |
|---|---|---|---|---|---|---|
| No. of students | 207 | 162 | 45 | 126 | 171 | 108 |

(ii)

| Sport | basketball | carroms | swimming | chess | wrestling | tennis |
|---|---|---|---|---|---|---|
| No. of students | 108 | 171 | 162 | 207 | 126 | 45 |

(iii)

| Sport | basketball | carroms | swimming | chess | wrestling | tennis |
|---|---|---|---|---|---|---|
| No. of students | 162 | 108 | 171 | 45 | 207 | 126 |

(iv)

| Sport | basketball | carroms | swimming | chess | wrestling | tennis |
|---|---|---|---|---|---|---|
| No. of students | 45 | 108 | 126 | 162 | 171 | 207 |

(v)

| Sport | basketball | carroms | swimming | chess | wrestling | tennis |
|---|---|---|---|---|---|---|
| No. of students | 162 | 171 | 207 | 45 | 108 | 126 |

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

Identify the table for the given pie diagram.



(i)
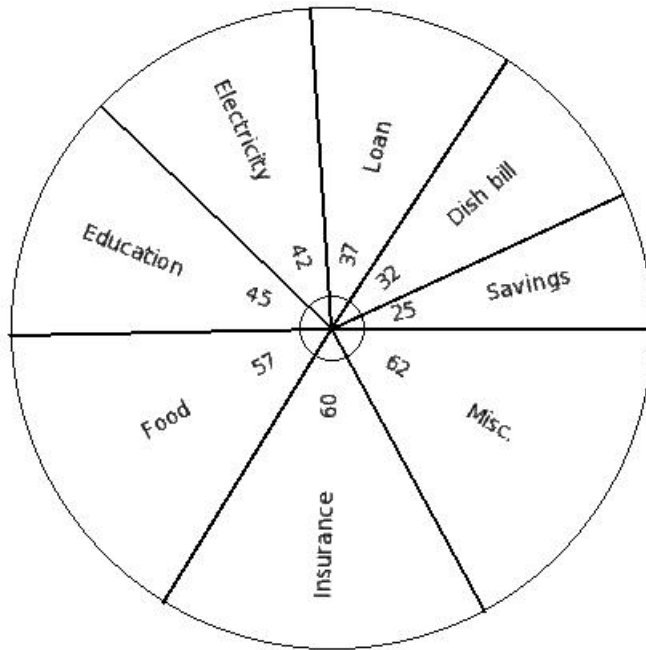
| Item | Savings | Dish bill | Loan | Electricity | Education | Food | Insurance | Misc. |
|---|---|---|---|---|---|---|---|---|
| Expenses (in Rs) | 3240 | 4500 | 4140 | 3060 | 2700 | 2340 | 1800 | 4320 |

(ii)

| Item | Savings | Dish bill | Loan | Electricity | Education | Food | Insurance | Misc. |
|---|---|---|---|---|---|---|---|---|
| Expenses (in Rs) | 1800 | 2340 | 2700 | 3060 | 3240 | 4140 | 4320 | 4500 |

(iii)

| Item | Savings | Dish bill | Loan | Electricity | Education | Food | Insurance | Misc. |
|---|---|---|---|---|---|---|---|---|
| Expenses (in Rs) | 4320 | 3240 | 4500 | 4140 | 2700 | 3060 | 2340 | 1800 |

(iv)

| Item | Savings | Dish bill | Loan | Electricity | Education | Food | Insurance | Misc. |
|---|---|---|---|---|---|---|---|---|
| Expenses (in Rs) | 2700 | 3060 | 1800 | 4500 | 4140 | 4320 | 3240 | 2340 |

(v)

| Item | Savings | Dish bill | Loan | Electricity | Education | Food | Insurance | Misc. |
|---|---|---|---|---|---|---|---|---|
| Expenses (in Rs) | 1800 | 3240 | 2700 | 4320 | 2340 | 4500 | 4140 | 3060 |

3. The results declared by a school was as under.

Identify the table for the given pie diagram.

(i)
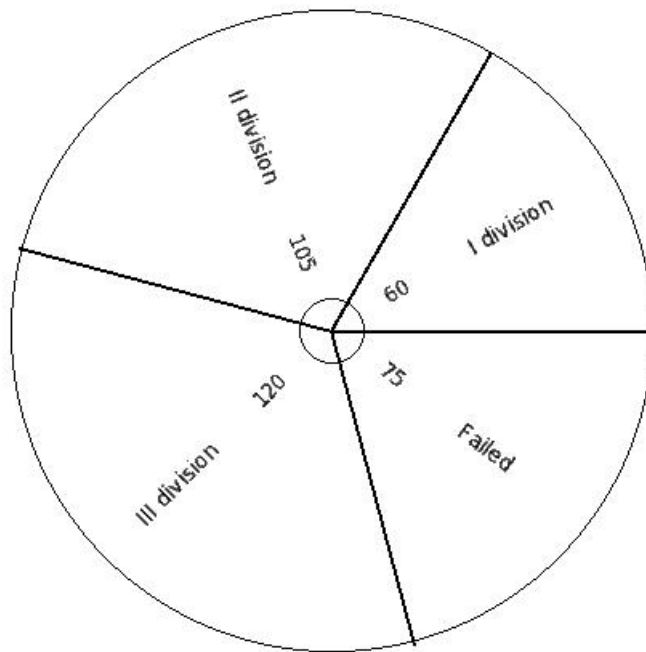
| Result | I division | II division | III division | Failed |
|---|---|---|---|---|
| No. of Students | 45 | 72 | 63 | 36 |

(ii)

| Result | I division | II division | III division | Failed |
|---|---|---|---|---|
| No. of Students | 36 | 63 | 72 | 45 |

(iii)

| Result | I division | II division | III division | Failed |
|---|---|---|---|---|
| No. of Students | 72 | 36 | 63 | 45 |

(iv)

| Result | I division | II division | III division | Failed |
|---|---|---|---|---|
| No. of Students | 63 | 36 | 72 | 45 |

(v)

| Result | I division | II division | III division | Failed |
|---|---|---|---|---|
| No. of Students | 45 | 36 | 72 | 63 |

4. The total marks obtained by a student in his annual examination is  288  .

Find the maximum marks.
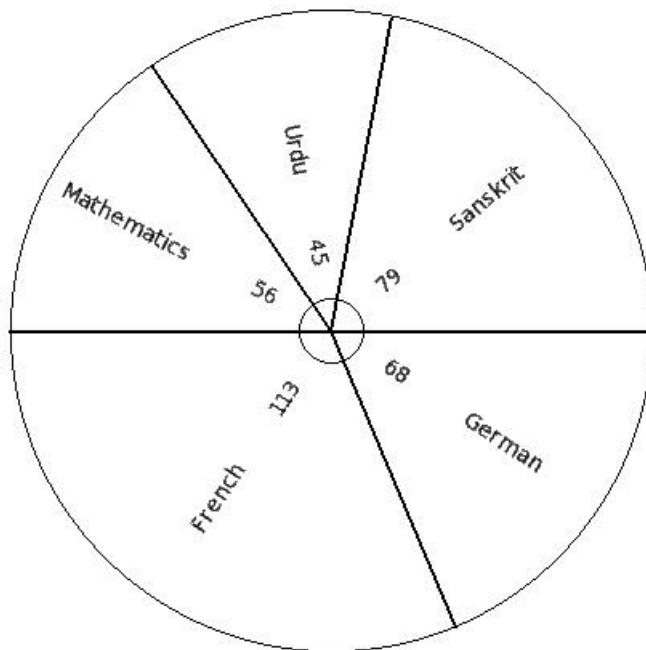
(i) 89 (ii) 88 (iii) 92 (iv) 90 (v) 91

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5. The total marks obtained by a student in his annual examination is 405 .

Find the minimum marks.
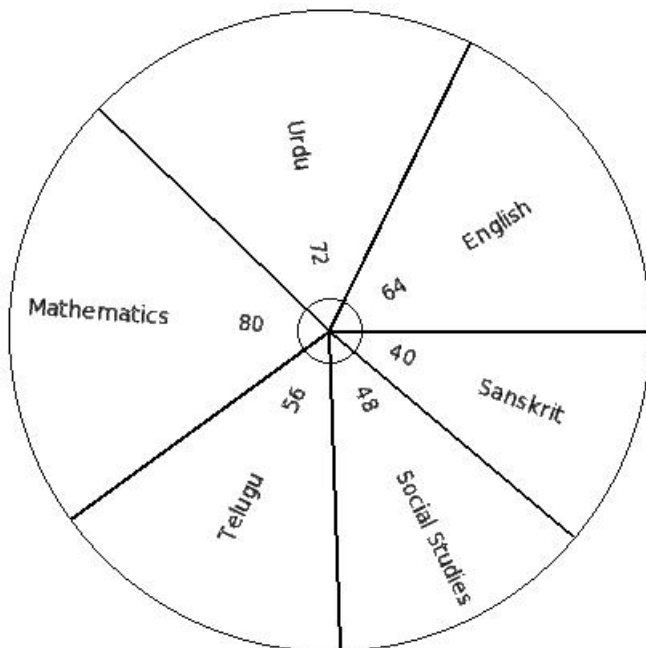


(i) 48 (ii) 45 (iii) 43 (iv) 44 (v) 46

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6. The total export earnings of ₹1800 crores of a country during five years is shown below. Find the earnings in 2009-10.
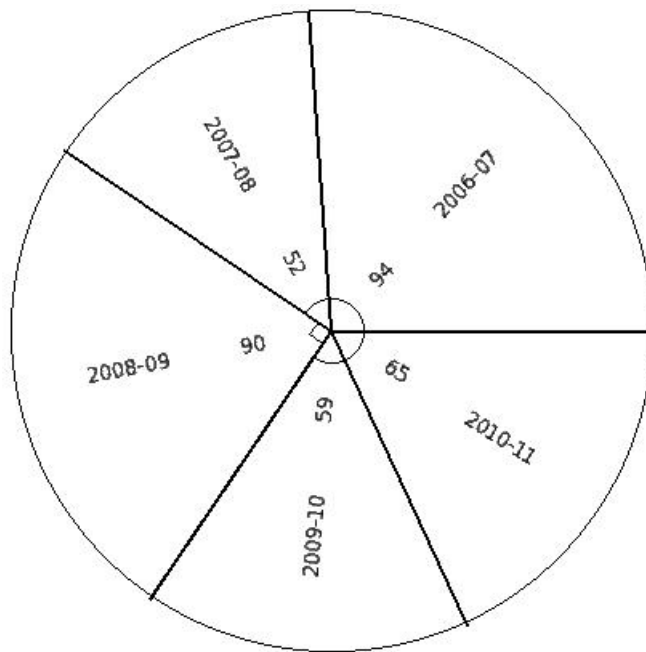
(i) 293 (ii) 295 (iii) 297 (iv) 292 (v) 298

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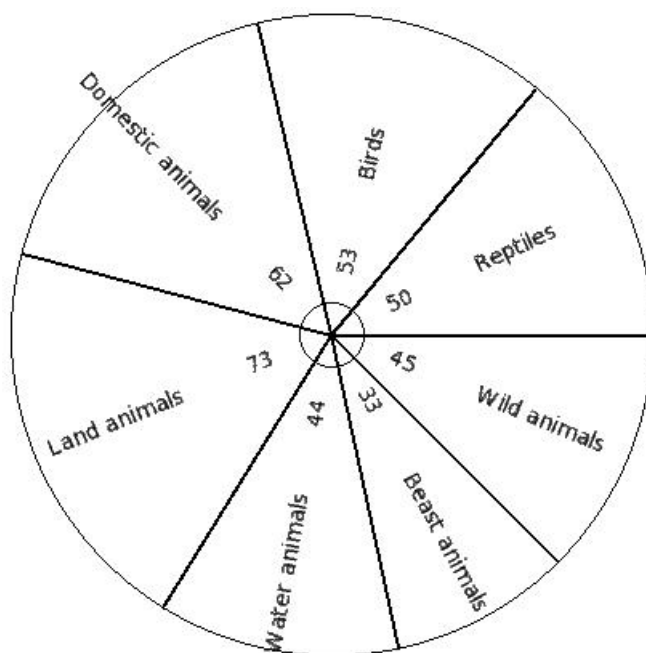7. The total marks obtained by Murali in his annual exam are 425 as shown below. Find the marks in "Sanskrit".
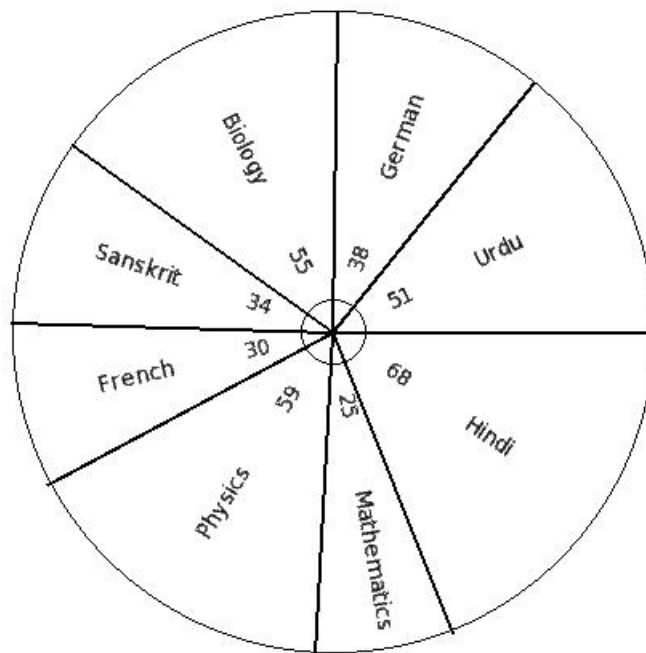


(i) 42 (ii) 40 (iii) 43 (iv) 37 (v) 38

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8. 540 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 "RTC Bus" .
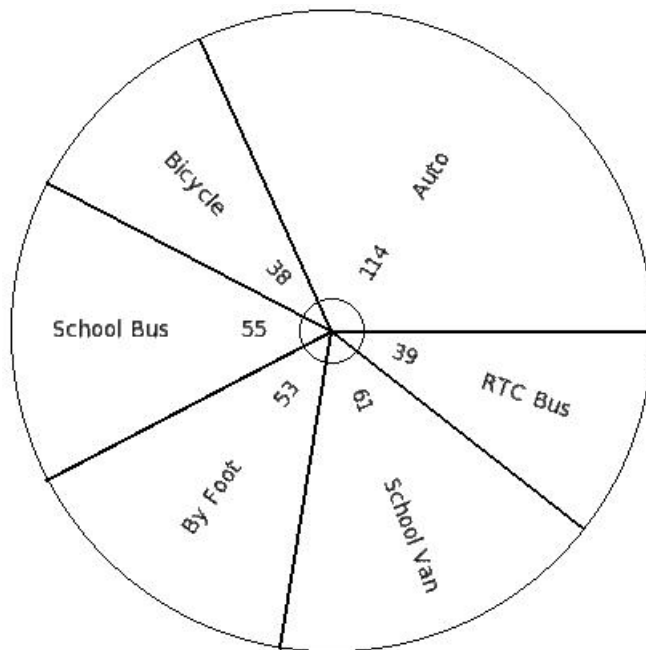
(i) 56 (ii) 57 (iii) 61 (iv) 59 (v) 62

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9. There are 2880 creatures in a zoo. Find the count of "Reptiles".



(i) 398 (ii) 400 (iii) 397 (iv) 403 (v) 402

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10. A survey of 180 school students was done to know the preferred free time activity. Find the number of students who prefer "Listening music".
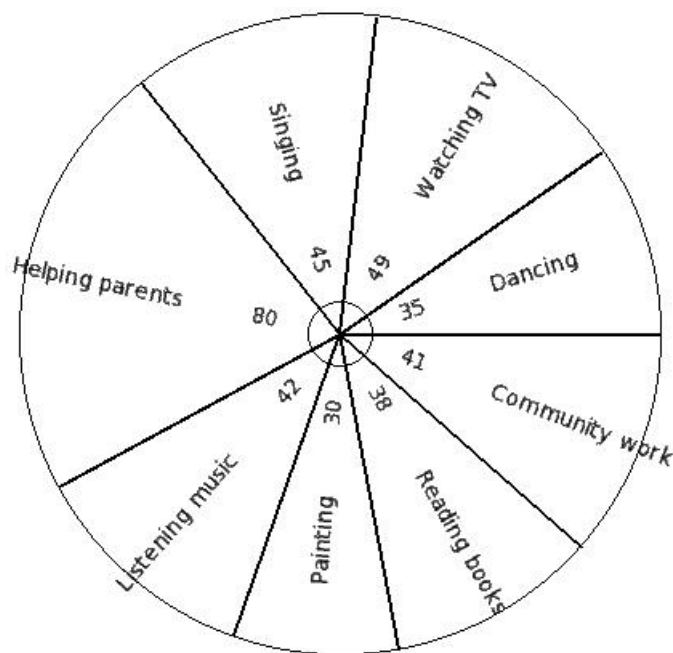
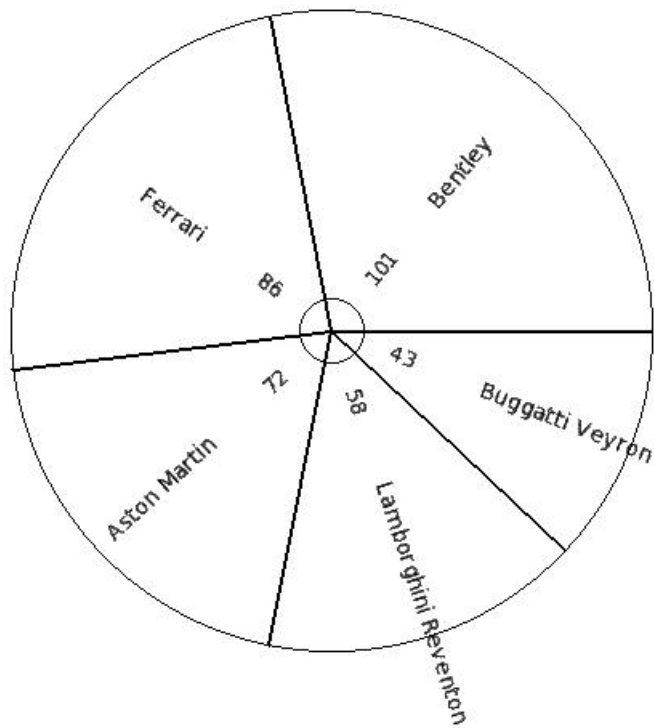(i) 23 (ii) 24 (iii) 21 (iv) 18 (v) 19

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11. The following pie chart shows 1260 students of a school participating in various games. Find the number of students who participate in "volleyball".
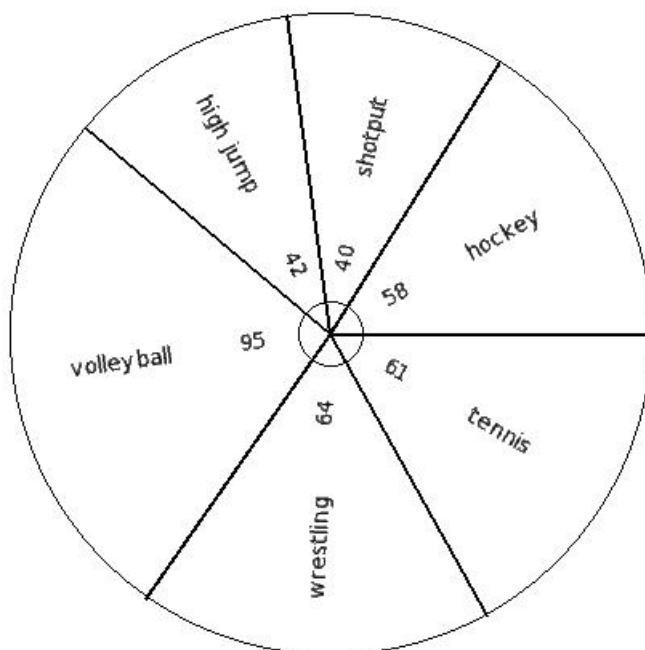


(i) 335 (ii) 333 (iii) 336 (iv) 331 (v) 330

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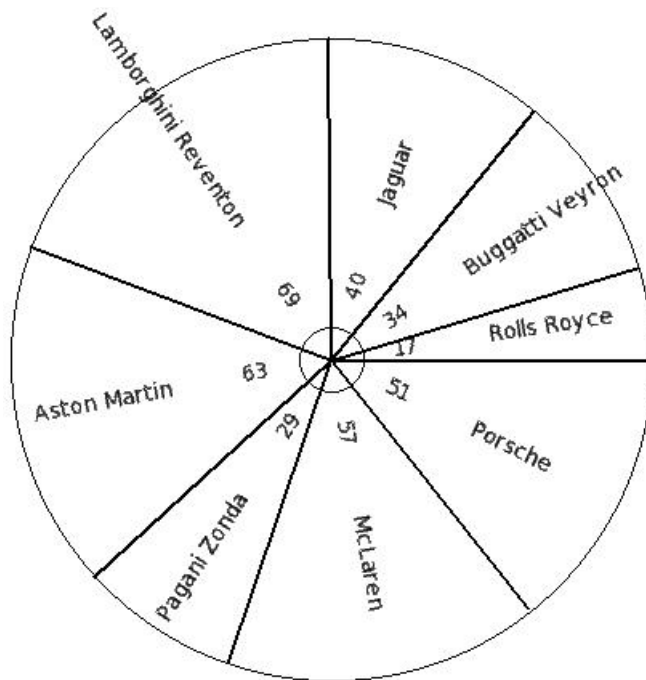
Identify the sector angle of "Bentley".

(i) 101 (ii) 100 (iii) 102 (iv) 99 (v) 104

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13. The pie diagram given below shows the monthly family expenditure of a person earning ₹16920 per month. How much does he spend on "Food"?
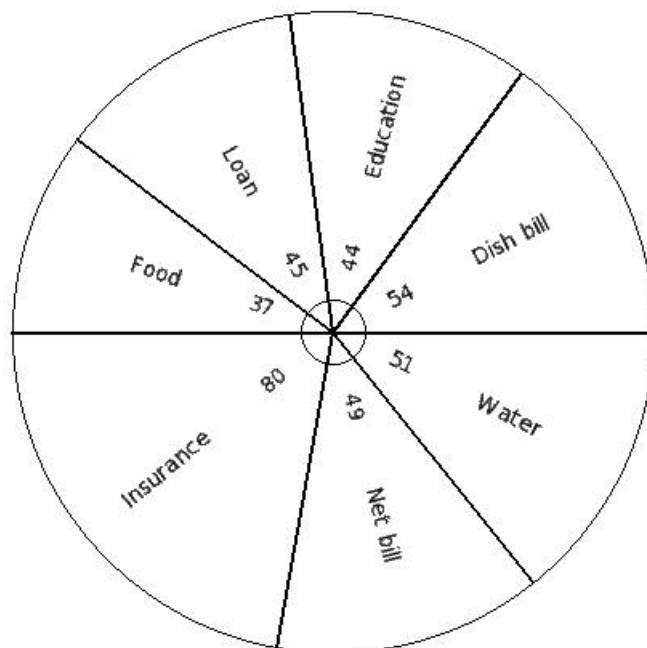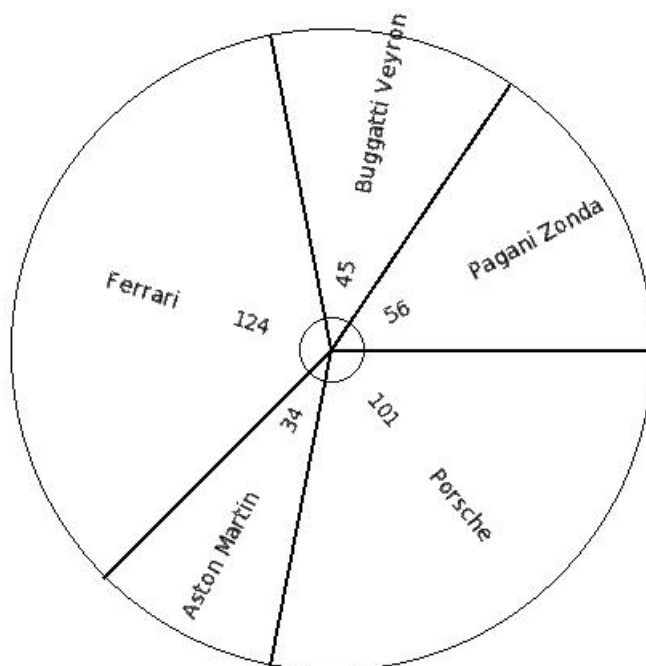


(i) ₹1741.00 (ii) ₹1738.00 (iii) ₹1739.00 (iv) ₹1740.00 (v) ₹1737.00

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

(i)   Jaguar              (ii) Porsche         (iii) Lamborghini Reventon

(iv) Buggatti Veyron (v) Aston Martin

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



(i)   Aston Martin  (ii) Ferrari    (iii) Buggatti Veyron

(iv) Pagani Zonda (v) Porsche

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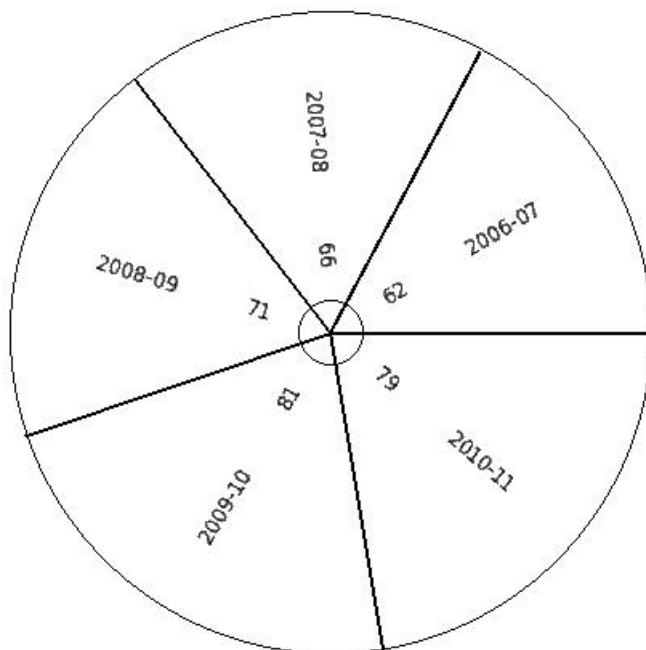16. The number of sectors present in the pie chart
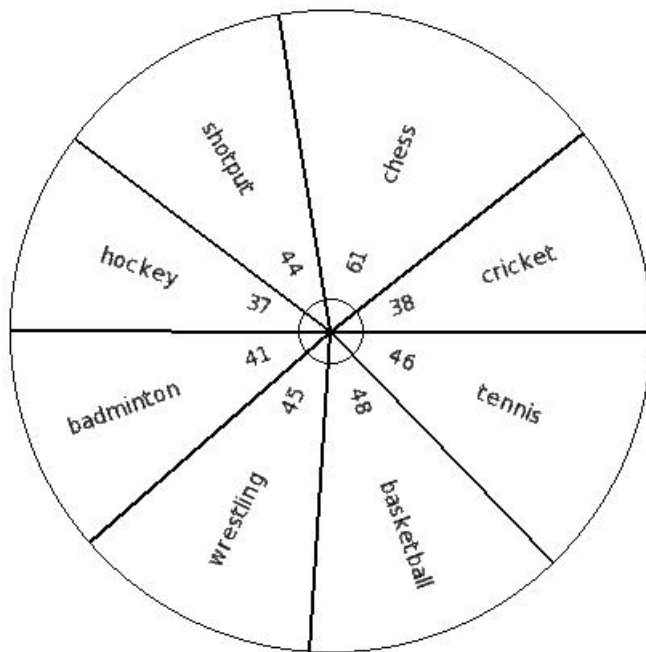
(i) 9 (ii) 6 (iii) 8 (iv) 7 (v) 10

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The total export earnings of ₹840 thousand crore of a country

17. during five years is shown below.
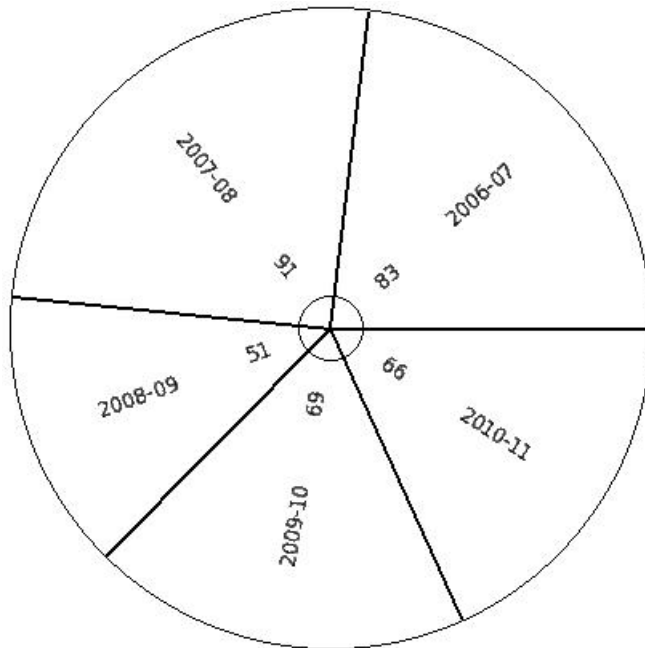
Find the year that has maximum export earnings .



(i)  2006-07 (ii) 2009-10 (iii) 2008-09

(iv) 2010-11 (v) 2007-08

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The total export earnings of ₹735 thousand crore of a country

18. during five years is shown below.
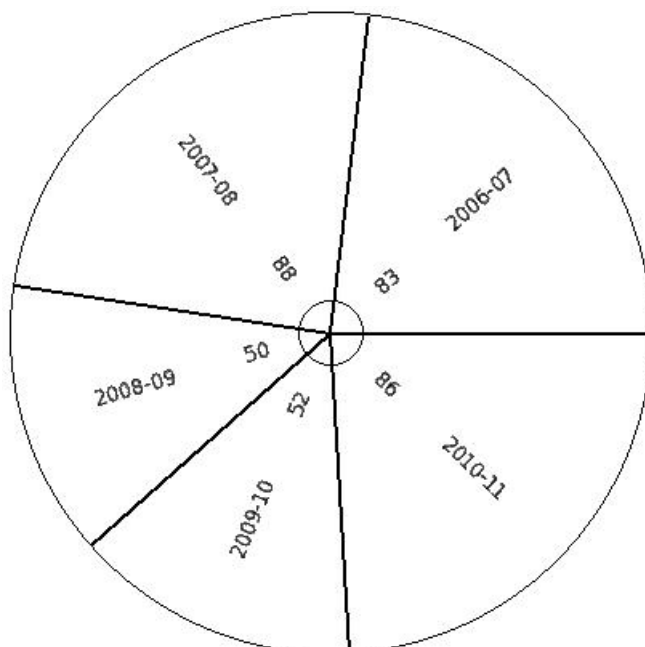
Find the year that has minimum export earnings .



(i)   2010-11 (ii) 2008-09 (iii) 2009-10

(iv) 2007-08 (v) 2006-07

---

The total export earnings of ₹755 thousand crore of a country

19.   during five years is shown below.

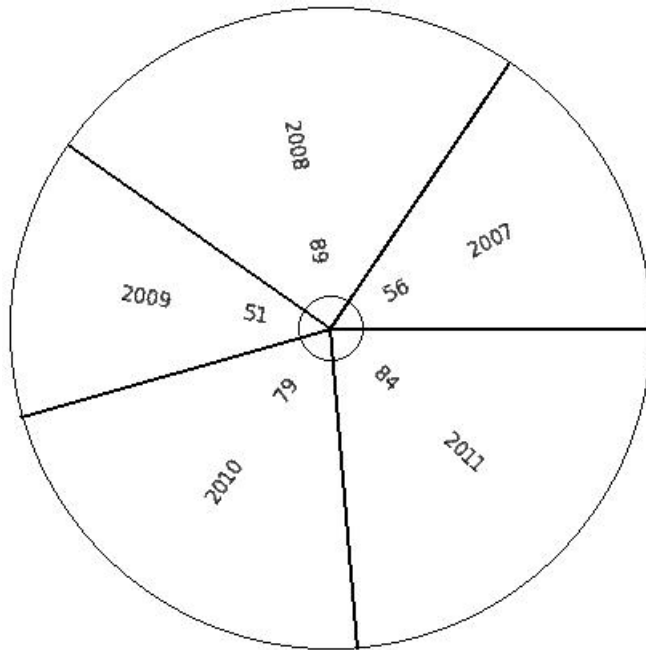Find the year that has 105 thousand crore export earnings .



(i)   2006-07 (ii) 2007-08 (iii) 2009-10

(iv) 2010-11 (v) 2008-09

---

Shown below is the total food grain production of

20. 385 million tonnes over 5 years.
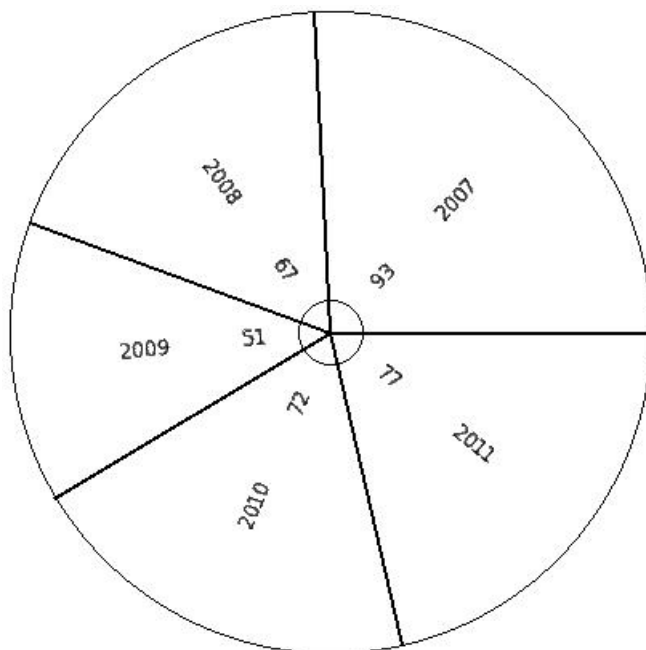
Find the year that has maximum food grain production .



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

(iv) 2011 (v) 2007

---

Shown below is the total food grain production of

21. 350 million tonnes over 5 years.

Find the year that has minimum food grain production .
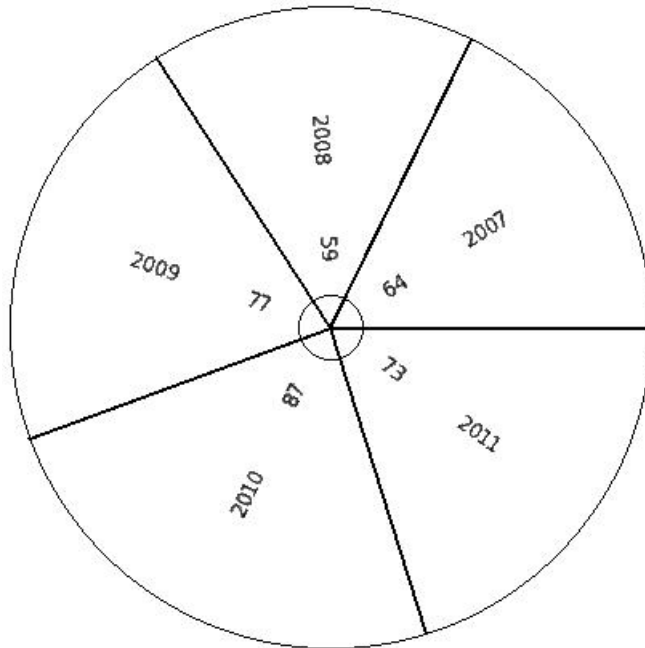
(i)  2010 (ii) 2009 (iii) 2011

(iv) 2007 (v) 2008

---

Shown below is the total food grain production of

22.  395 million tonnes over 5 years.

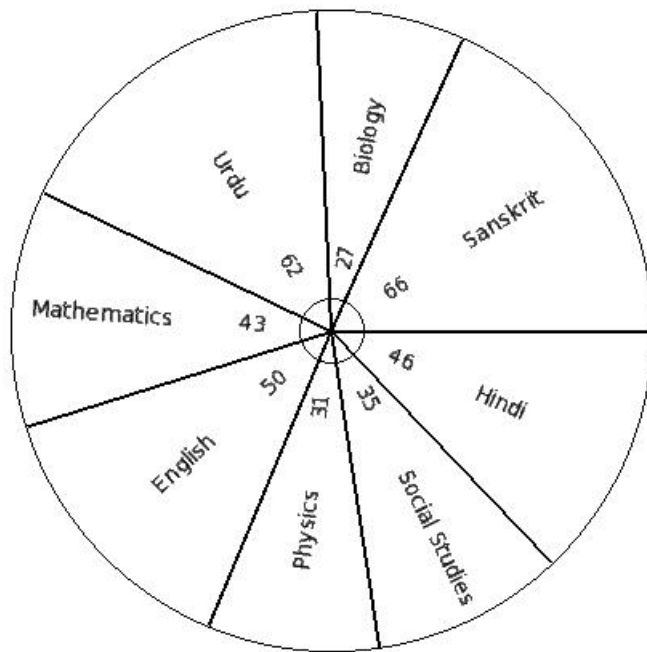Find the year that has 70 million tonnes food grain production .



(i)  2008 (ii) 2009 (iii) 2011

(iv) 2007 (v) 2010

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The total marks obtained by Ayush in his annual exam are

23.  465  as shown below.
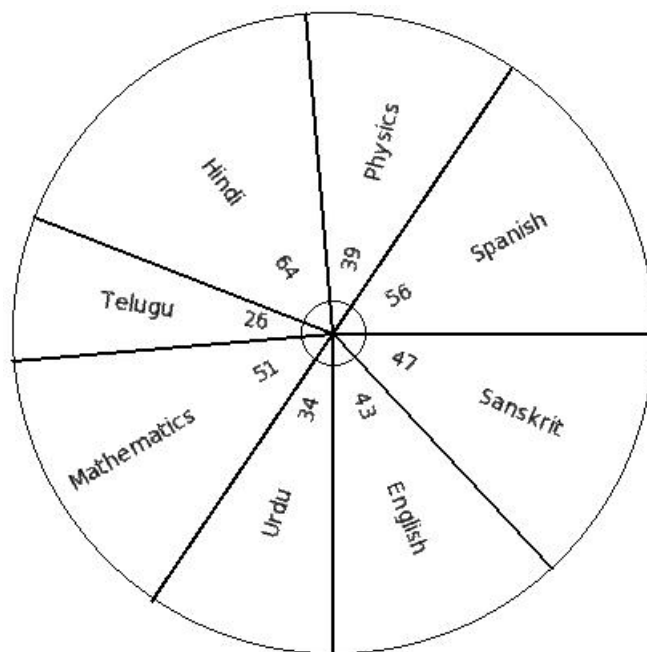
Find the subject that has maximum score .

(i) Biology (ii) Physics (iii) Hindi

(iv) English (v) Sanskrit

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The total marks obtained by Daniel in his annual exam are

24. 420 as shown below.

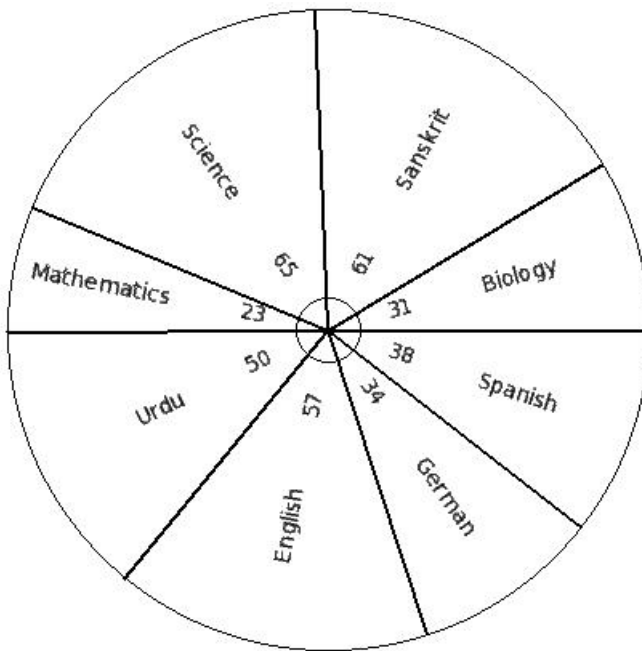Find the subject that has minimum score .



(i) Hindi (ii) Physics (iii) Sanskrit

(iv) Mathematics (v) Telugu

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25. The total marks obtained by Kalyan in his annual exam are

470 as shown below.

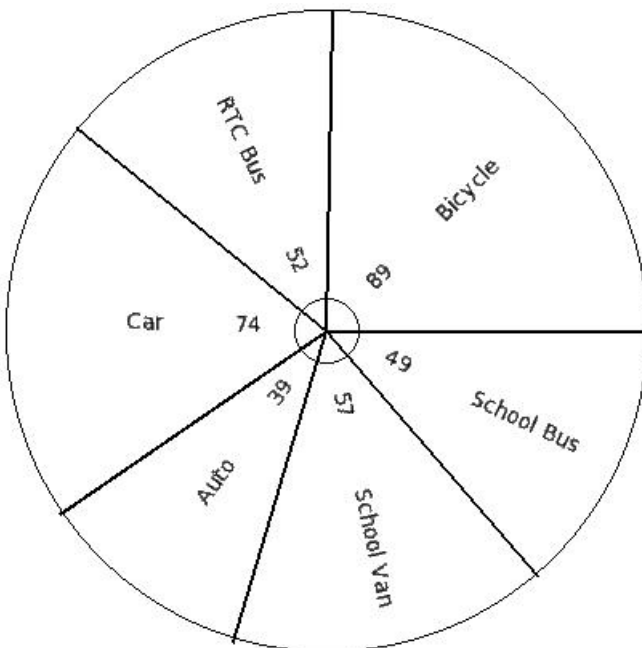Find the subject that has 40 score .



(i)　Biology　(ii) Spanish (iii) Sanskrit

(iv) German (v) English

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1460 students of a certain locality use different modes

26. of travel to school as shown below.
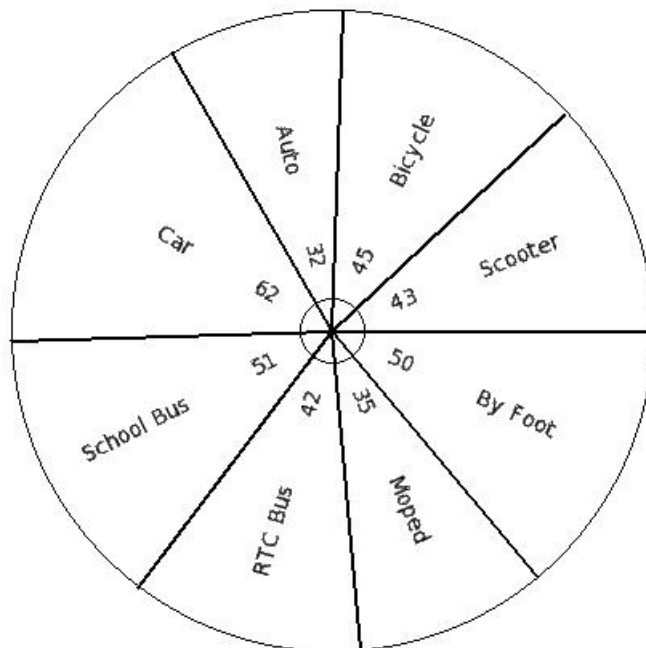
Find the mode of travel that has maximum students .



(i)　School Van (ii) Car　　　(iii) School Bus

(iv) Bicycle　　　(v) RTC Bus

27. 2250 students of a certain locality use different modes of travel to school as shown below.
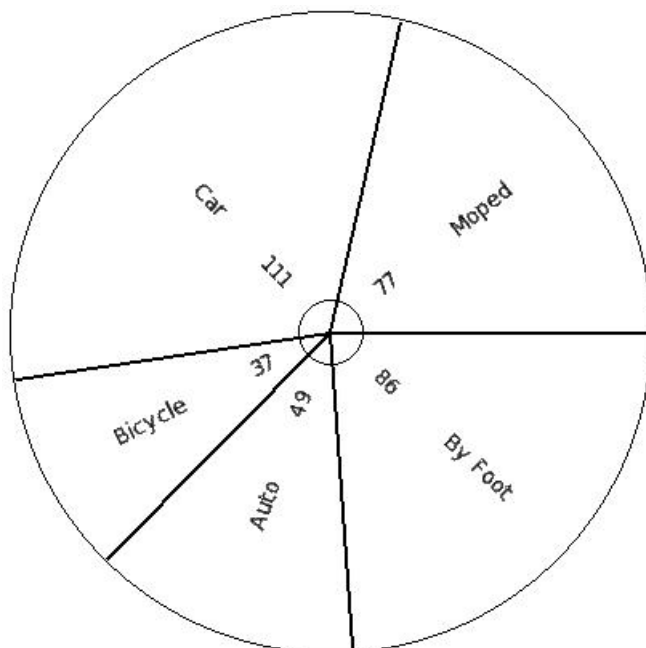
Find the mode of travel that has minimum students .



(i)  Bicycle   (ii) Auto    (iii) By Foot
(iv) RTC Bus (v) Moped

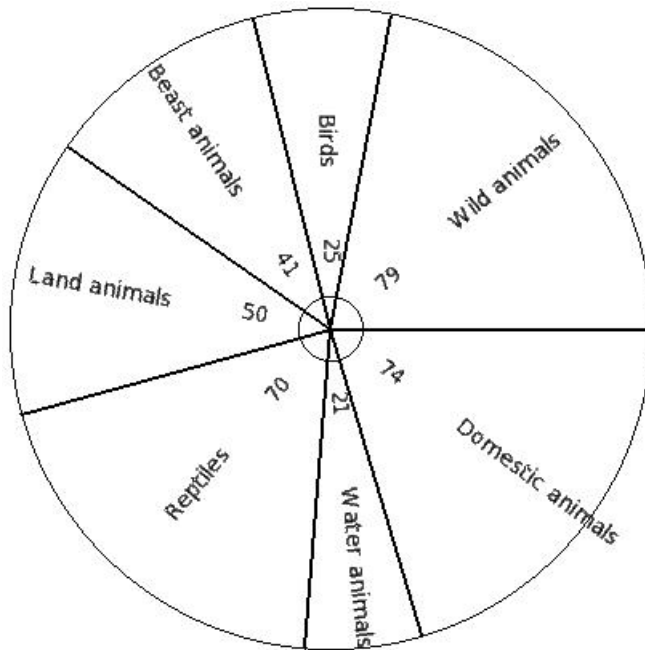28. 1260 students of a certain locality use different modes of travel to school as shown below.

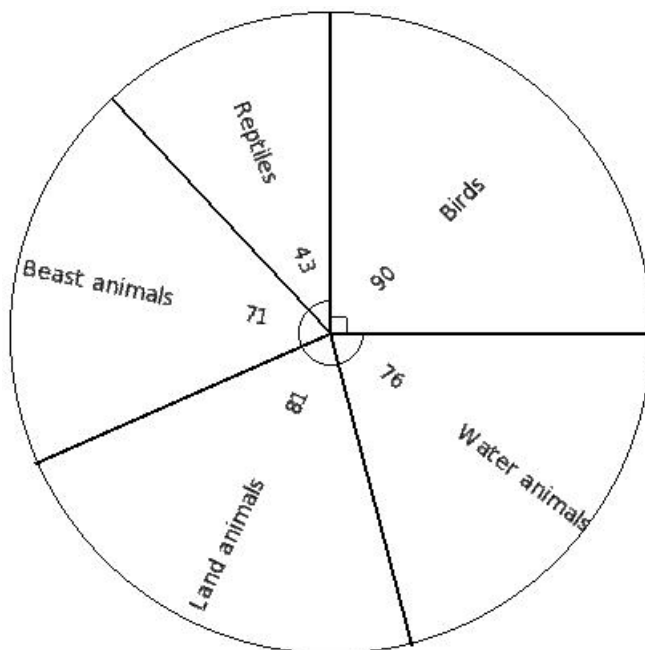Find the mode of travel that has 130 students .

(i)  Moped (ii) Bicycle (iii) By Foot

(iv) Car      (v) Auto

---

29.
There are  870  creatures in a zoo.

Find the type of creature that has maximum presense in the zoo .
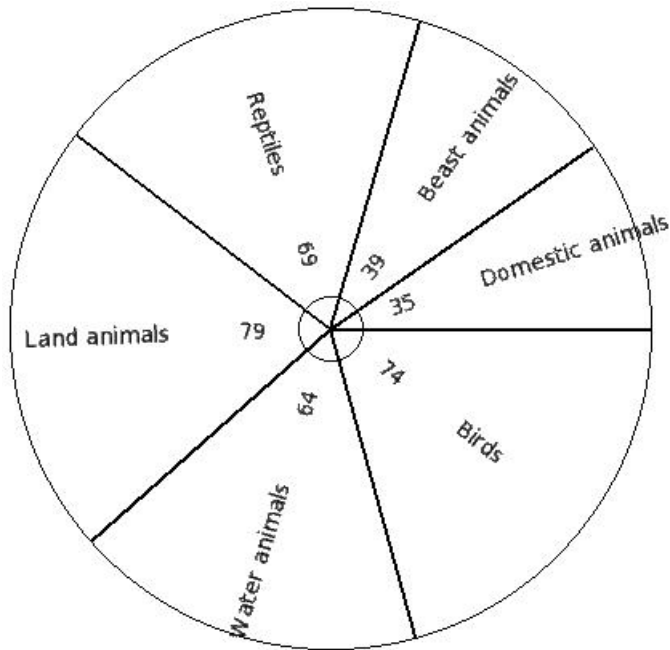


(i)  Reptiles        (ii) Beast animals  (iii) Domestic animals

(iv) Wild animals (v) Water animals

---

30.
There are  760  creatures in a zoo.

Find the type of creature that has minimum presense in the zoo .

(i)   Beast animals (ii) Land animals   (iii) Birds

(iv) Reptiles          (v) Water animals

---

31.

There are  730  creatures in a zoo.

Find the type of creature that has 80 creatures presense in the zoo .



(i)   Beast animals (ii) Water animals (iii) Domestic animals

(iv) Birds              (v) Reptiles

---

32.

A survey of  1250  school students was done to know

the preferred free time activity.

Find the activity that has maximum preference .
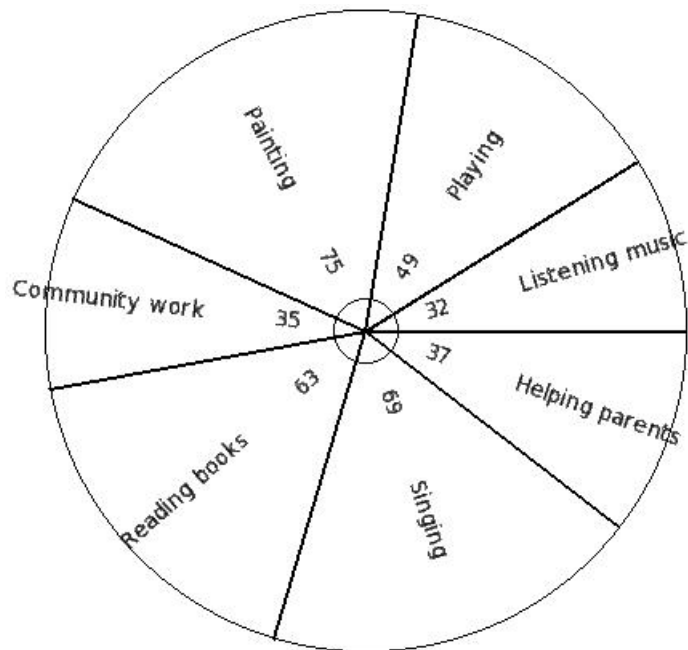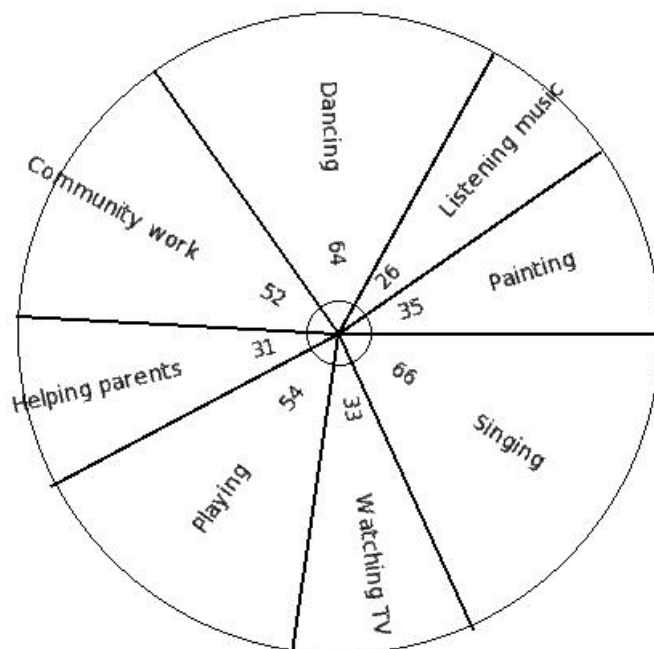
(i)   Playing  (ii) Community work (iii) Singing

(iv) Painting (v) Helping parents

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A survey of  1530  school students was done to know

33. the preferred free time activity.

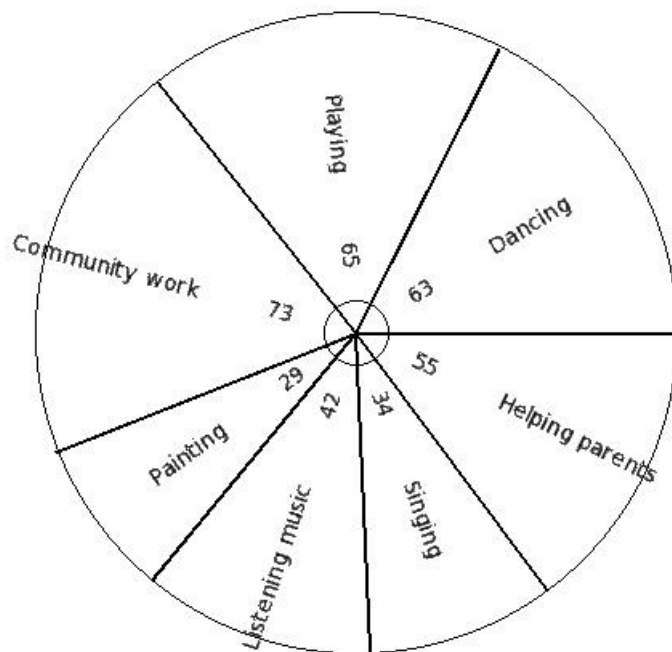Find the activity that has minimum preference .



(i)   Listening music (ii) Singing (iii) Helping parents

(iv) Painting           (v) Playing

---

34. A survey of  1380  school students was done to know

the preferred free time activity.

Find the activity that has 240 student preference .
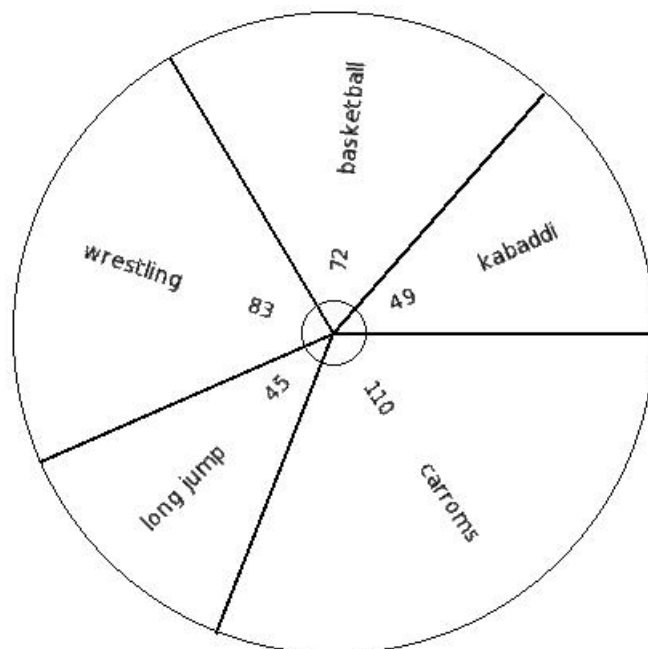


(i)  Helping parents   (ii) Painting (iii) Singing

(iv) Community work (v) Dancing

---

The following pie chart shows  950  students

35. of a school participating in various games.

Find the game that has maximum participation .



(i)  long jump (ii) basketball (iii) wrestling

(iv) carroms    (v) kabaddi

36. The following pie chart shows 1570 students of a school participating in various games.

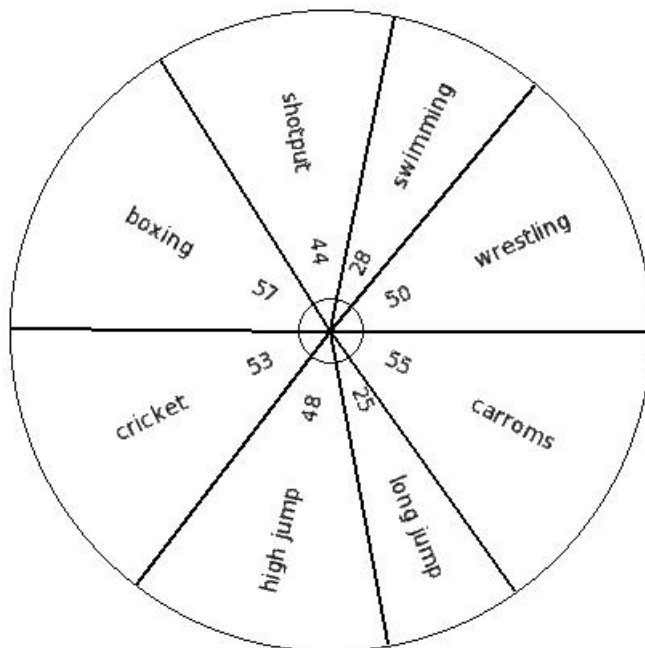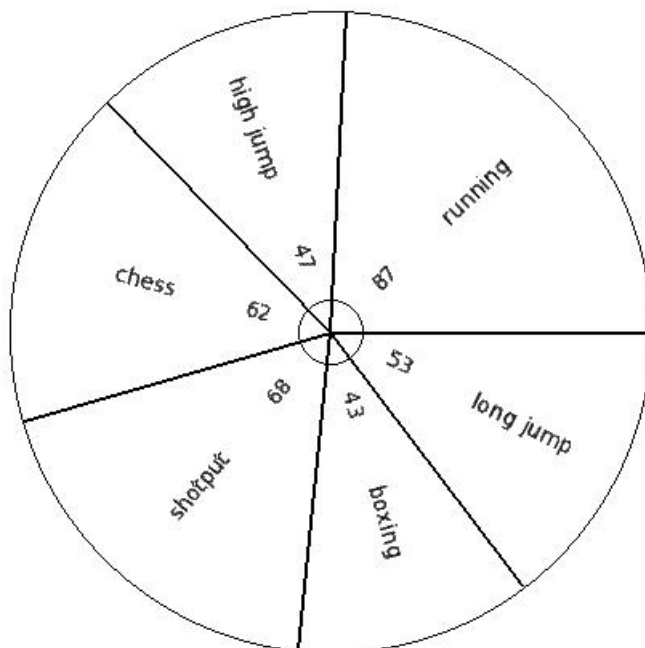Find the game that has minimum participation .



(i) carroms (ii) high jump (iii) swimming
(iv) long jump (v) shotput

---

37. The following pie chart shows 1160 students of a school participating in various games.

Find the game that has 140 student participation .

(i) chess (ii) running (iii) long jump

(iv) high jump (v) boxing

---

612 students from a certain locality use different modes of travel to school

as given below.

38.

| Mode of travel | Scooter | By Foot | School Van | RTC Bus | Car | Auto | School Bus | Bicycle |
|---|---|---|---|---|---|---|---|---|
| No. of Students | 54 | 72 | 99 | 108 | 45 | 63 | 81 | 90 |

Find the number of students whose travelling mode is By Foot .

(i) 71 (ii) 72 (iii) 73 (iv) 75 (v) 70

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The following table gives the data regarding

the favourite sport of 252 students of a school.

39. Find the pie chart sector angle for "hockey"

| Sport | cricket | running | long jump | wrestling | hockey |
|---|---|---|---|---|---|
| No. of students | 36 | 90 | 81 | 27 | 18 |

(i) 27.71° (ii) 23.71° (iii) 25.71° (iv) 26.71° (v) 24.71°

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A man earns Rs 2565 per month. His expenditure during a month is as follows.

Find the pie chart sector angle for "Misc."

40.

| Item | Food | Dish bill | Loan | Education | Electricity | Net bill | Misc. |
|---|---|---|---|---|---|---|---|
| Expenses (in rupees) | 90 | 135 | 270 | 405 | 495 | 540 | 630 |

(i) 87.42° (ii) 86.42° (iii) 90.42° (iv) 88.42° (v) 89.42°

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41. Pie-diagram consists of

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

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

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

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

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

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# Assignment Key

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

40) (iv)
41) (iii)
42) (ii)
43) (iv)