EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Statistics

Grade : ICSE Grade VII

1. If the mean of 8 samples is $19\frac{7}{8}$,

what is the new mean if 6 is added to each number.

(i) $\frac{207}{8}$ (ii) $\frac{209}{8}$ (iii) $\frac{257}{10}$ (iv) $\frac{205}{8}$ (v) $\frac{157}{6}$

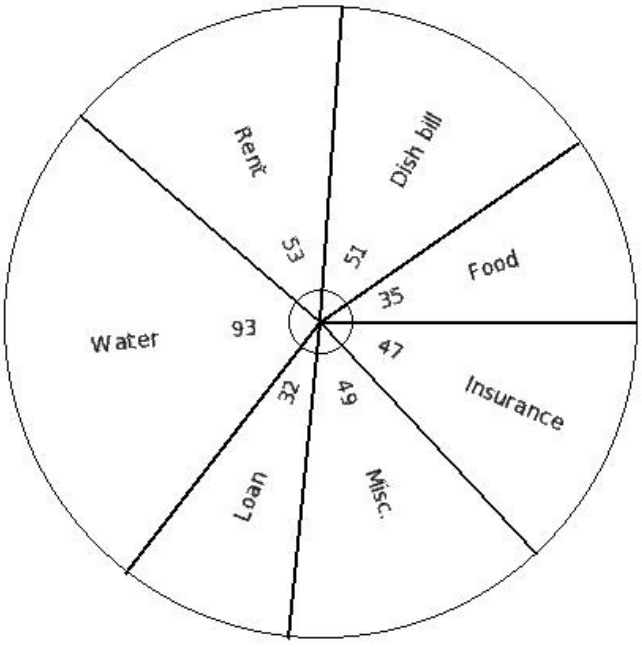
2. Arrange the following data 22 29 35 37 26 10 15 37 21 12 in ascending order

(i) 26 12 24 11 19 10 16 28 18 31 (ii) 10 12 15 21 22 26 29 35 37 37

(iii) 13 27 36 12 21 39 21 15 24 19 (iv) 35 28 32 11 23 13 17 37 35 27

(v) 12 28 25 12 18 36 32 32 12 18

3. The pie diagram given below shows the monthly family expenditure of a person earning ₹17640 per month. How much does he spend on "Food"?



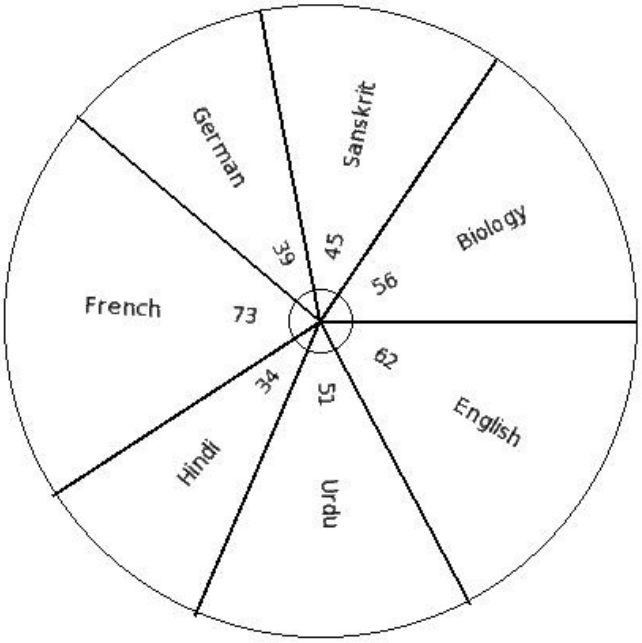
(i) ₹1716.00 (ii) ₹1714.00 (iii) ₹1717.00 (iv) ₹1713.00 (v) ₹1715.00

4. The total marks obtained by John in his annual exam are 465 as shown below. Find the pie chart sector angle for "German"

Subject	English	German	Spanish	Sanskrit	Urdu	Telugu	Mathematics	Hindi
Marks obtained	55	70	50	40	30	75	65	80

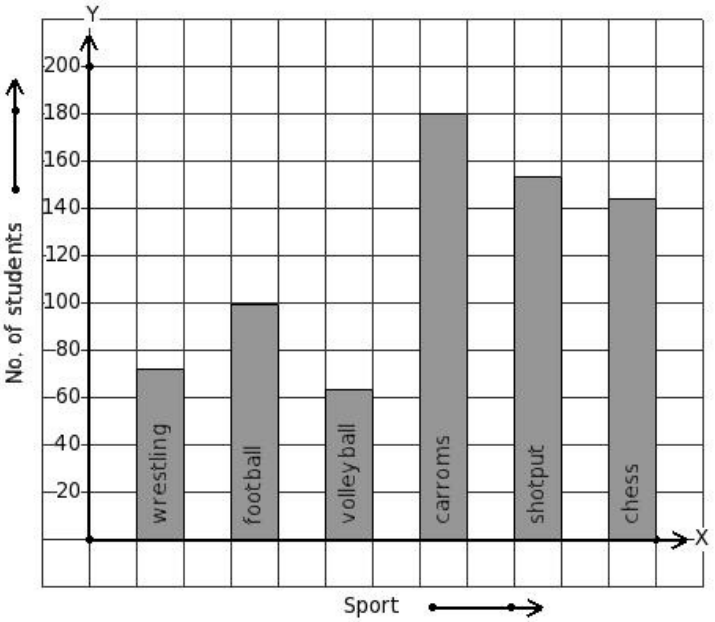
(i) 54.19° (ii) 53.19° (iii) 55.19° (iv) 52.19° (v) 56.19°

5. The total marks obtained by Vivek in his annual exam are 320 as shown below. Find the marks in "Sanskrit".



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

6. The following bar graph gives data regarding the favourite sport of 711 students of a school. Identify the table for the given bar diagram.



(i)

Sport	wrestling	football	volleyball	carroms	shotput	chess
No. of students	99	72	63	144	153	180

(ii)

Sport	wrestling	football	volleyball	carroms	shotput	chess
No. of students	99	180	153	144	72	63

(iii)

Sport	wrestling	football	volleyball	carroms	shotput	chess
No. of students	99	153	72	63	180	144

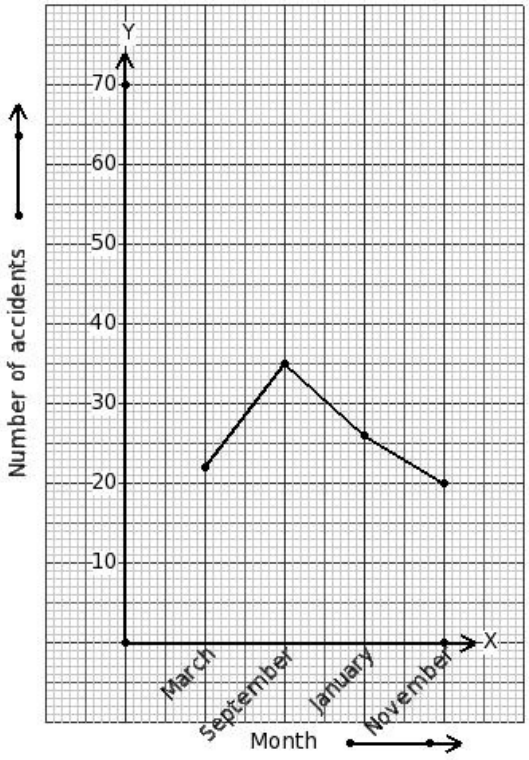
(iv)

Sport	wrestling	football	volleyball	carroms	shotput	chess
No. of students	99	180	144	63	72	153

(v)

Sport	wrestling	football	volleyball	carroms	shotput	chess
No. of students	72	99	63	180	153	144

7. Given below is a line graph showing the number of accidents in a city during the given months of a certain year. Identify the table for the given line graph.



(i)

Month	March	September	January	November
Number of accidents	15	35	26	20

(ii)

Month	March	September	January	November
Number of accidents	22	35	26	26

(iii)

Month	March	September	January	November
Number of accidents	22	35	18	20

(iv)

Month	March	September	January	November
Number of accidents	22	43	26	20

(v)

Month	March	September	January	November
Number of accidents	22	35	26	20

8. The number of children in 18 families are given below. Identify the frequency distribution table for the given data.

1 1 4 5 0 1 0 3 1 3 2 2 3 1 3 1 2 0

(i)

No. of children	0	1	2	3	4	5
No. of families	3	6	3	4	1	1

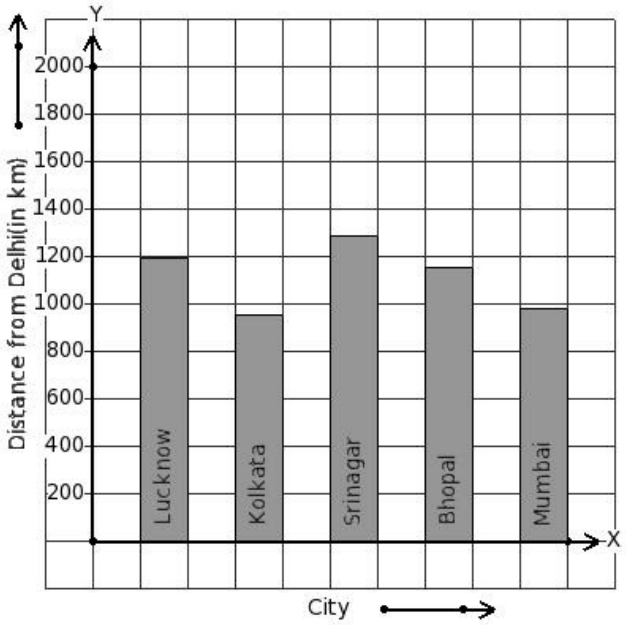
(ii)

No. of children	0	1	2	3	4	5
No. of families	2	2	5	2	4	3

(iii)

No. of children	0	1	2	4	5
No. of families	5	5	2	2	4

9. The air distance of some cities from Delhi (in km) are given below. Find the city that has 1152 km distance.



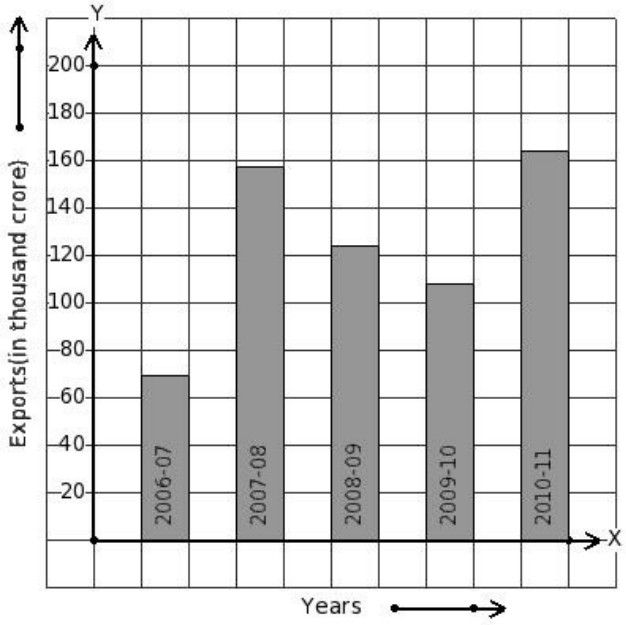
(i) Srinagar (ii) Bhopal (iii) Lucknow (iv) Mumbai (v) Kolkata

10. Daily wages of 11 labourers (in ₹) are given below. Find the mean wage.

313 327 440 458 469 432 319 400 418 408 466

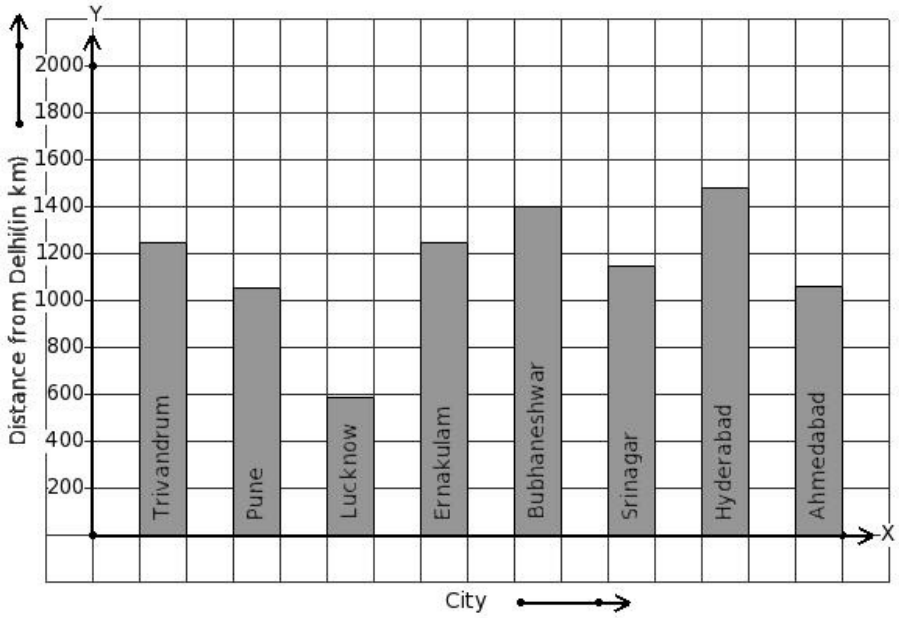
(i) ₹405.55 (ii) ₹404.64 (iii) ₹404.73 (iv) ₹404.55 (v) ₹406.55

11. The following bar graph shows the export earnings of a country (in thousand crore) during five years. Find the year that has 164 thousand crore export earnings.



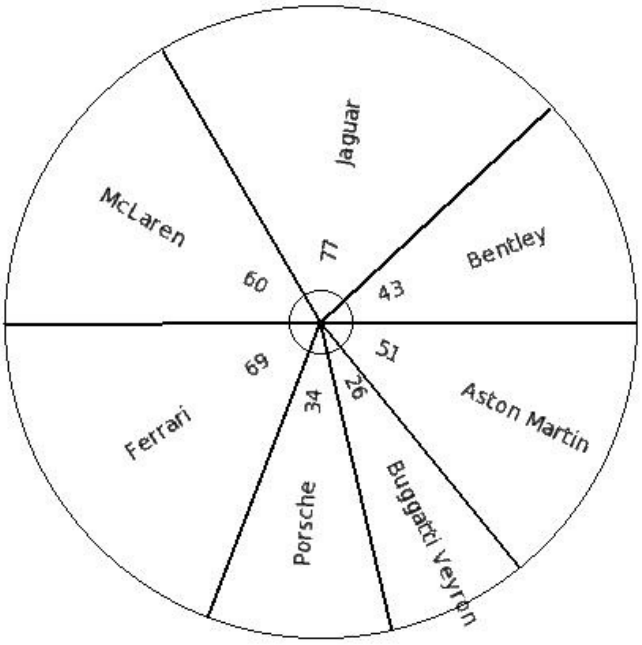
(i) 2006-07 (ii) 2007-08 (iii) 2008-09 (iv) 2010-11 (v) 2009-10

12. The air distance of some cities from Delhi (in km) are given below. Find the city that has maximum distance.



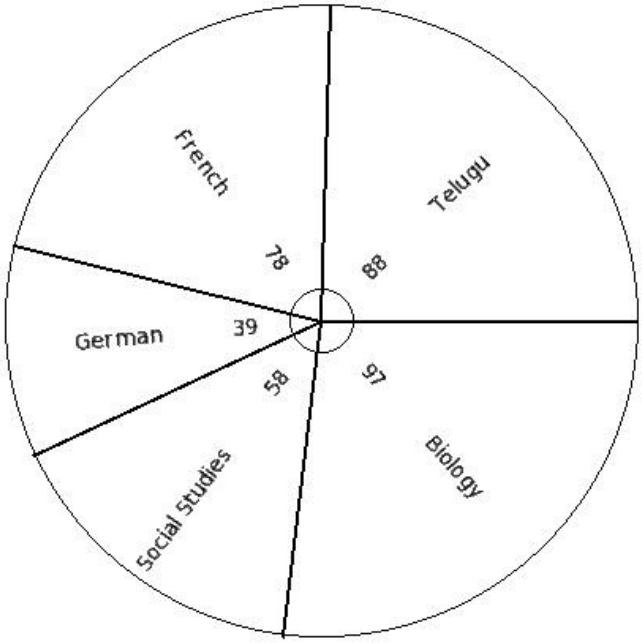
(i) Pune (ii) Srinagar (iii) Hyderabad (iv) Ernakulam (v) Ahmedabad

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



(i) 78 (ii) 79 (iii) 76 (iv) 74 (v) 77

14. The total marks obtained by a student in his annual examination is 333. Find the minimum marks.



(i) 35 (ii) 33 (iii) 39 (iv) 36 (v) 37

15. 522 students of a certain locality use different modes of travel to school as given below.

Mode of travel	By Foot	School Bus	Moped	Car	RTC Bus	Bicycle
No. of Students	45	81	90	99	144	63

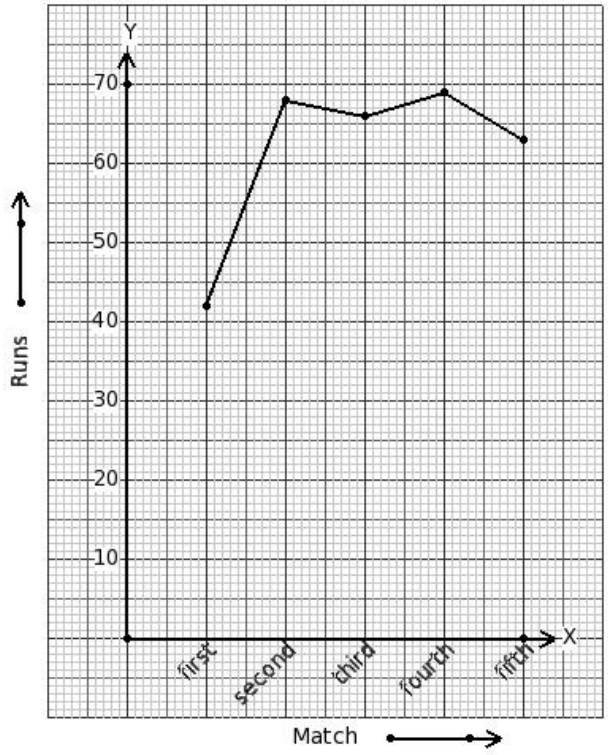
Find the number of students whose travelling mode is School Bus.

(i) 81 (ii) 82 (iii) 83 (iv) 78 (v) 80

16. Find the mean of first 7 whole numbers.

(i) 3 (ii) 5 (iii) 2 (iv) 4 (v) 1

17. Scores made by Daniel in 5 test matches are shown below. Identify the table for the given line graph.



(i)

Match	first	second	third	fourth	fifth
Runs	42	68	66	69	63

(ii)

Match	first	second	third	fourth	fifth
Runs	42	68	66	69	69

(iii)

Match	first	second	third	fourth	fifth
Runs	42	68	58	69	63

(iv)

Match	first	second	third	fourth	fifth
Runs	42	68	66	75	63

(v)

Match	first	second	third	fourth	fifth
Runs	42	62	66	69	63

18. Heights of 11 plants (in cm) are given below. Find the mean height.

75 99 68 92 95 87 70 52 77 76 100

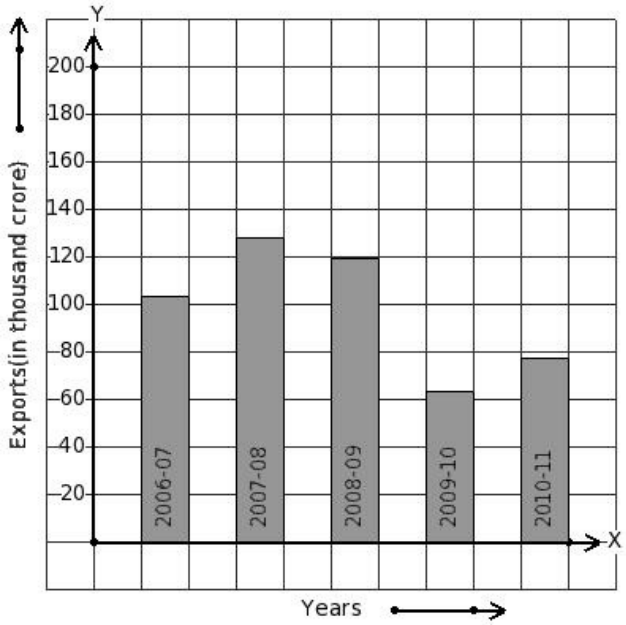
(i) 82 cm (ii) 80 cm (iii) 83 cm (iv) 79 cm (v) 81 cm

19. Wages of 25 labourers are given below. Find the mean.

Wage (in rupees)	327	338	384	407	426	485	488
No. of labourers	1	4	4	3	4	4	5

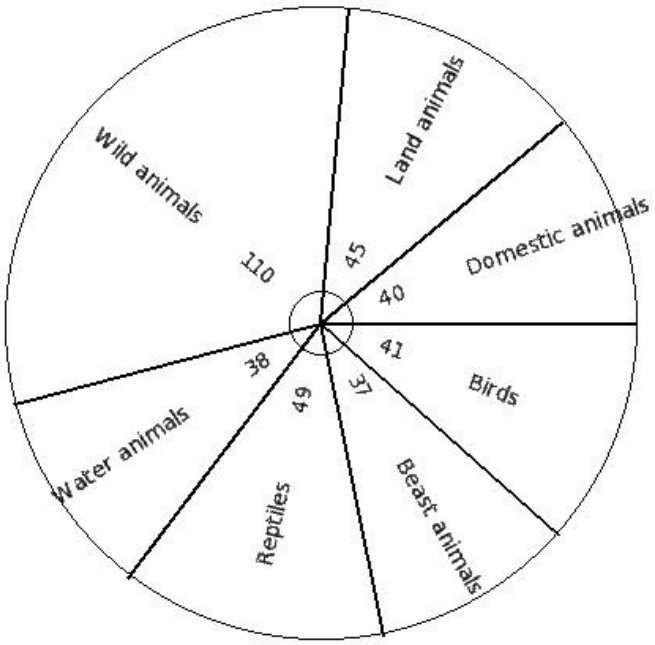
(i) ₹421.00 (ii) ₹422.80 (iii) ₹421.20 (iv) ₹421.80 (v) ₹420.80

20. The following bar graph shows the export earnings of a country (in thousand crore) during five years. Find the year that has maximum export earnings.



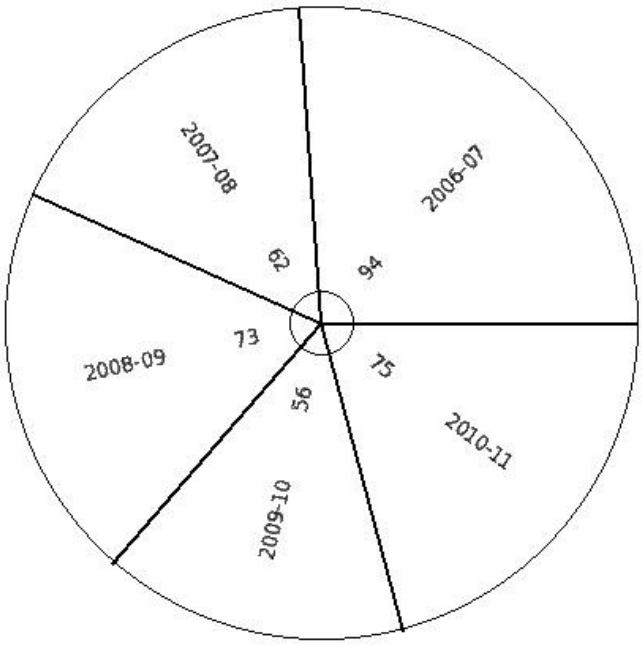
(i) 2006-07 (ii) 2009-10 (iii) 2010-11 (iv) 2008-09 (v) 2007-08

21. There are 2880 creatures in a zoo. Find the count of "Beast animals".



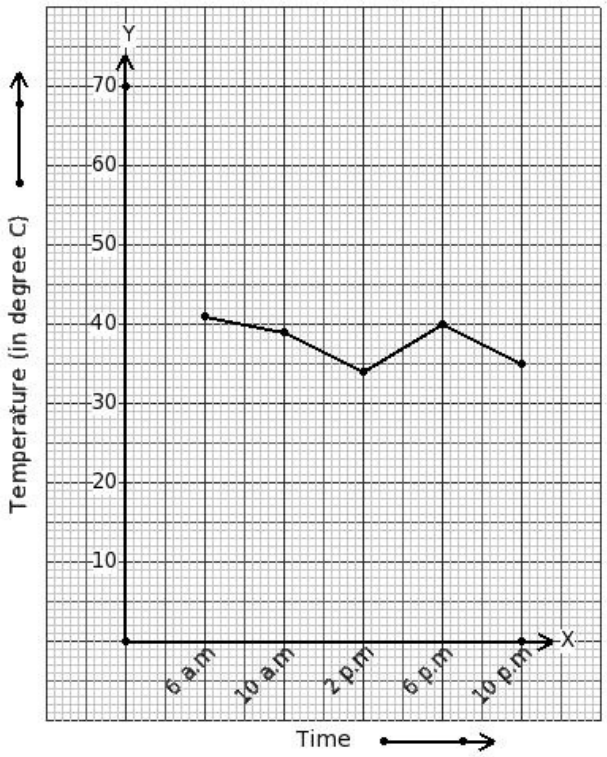
(i) 293 (ii) 294 (iii) 298 (iv) 296 (v) 299

22. The total export earnings of ₹670 thousand crore of a country during five years is shown below. Find the year that has 115 thousand crore export earnings.



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

23. Flavia fell sick. Her doctor maintained a record of her body temperature, taken every four hours. The following line graph gives data regarding her body temperature. Identify the table for the given line graph.



(i)

Time	6 a.m	10 a.m	2 p.m	6 p.m	10 p.m
Temperature (in degree C)	41	39	34	40	35

(ii)

Time	6 a.m	10 a.m	2 p.m	6 p.m	10 p.m
Temperature (in degree C)	41	45	34	40	35

(iii)

Time	6 a.m	10 a.m	2 p.m	6 p.m	10 p.m
Temperature (in degree C)	41	39	41	40	35

(iv)

Time	6 a.m	10 a.m	2 p.m	6 p.m	10 p.m
Temperature (in degree C)	41	39	34	34	35

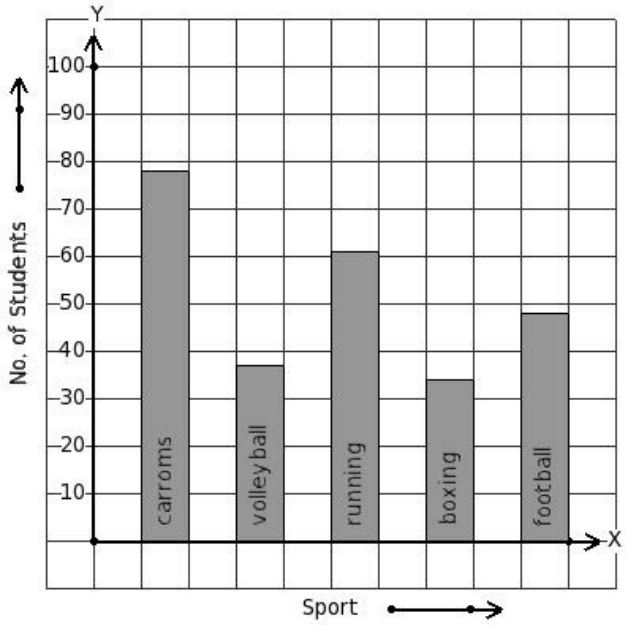
(v)

Time	6 a.m	10 a.m	2 p.m	6 p.m	10 p.m
Temperature (in degree C)	41	39	34	40	43

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

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

25. The number of bars present in the bar chart of the following table is



(i) 6 (ii) 7 (iii) 5 (iv) 4 (v) 3

Assignment Key

1) (i)	2) (ii)	3) (v)	4) (i)	5) (i)	6) (v)
7) (v)	8) (i)	9) (ii)	10) (iv)	11) (iv)	12) (iii)
13) (v)	14) (iv)	15) (i)	16) (i)	17) (i)	18) (v)
19) (v)	20) (v)	21) (iv)	22) (iv)	23) (i)	24) (i)
25) (iii)					