EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Statistics

Grade : ICSE Grade VII

1. The scores obtained by 6 students in a test are given below. Find the maximum score. 5 4 10 18 8 12

(i) $9\frac{1}{2}$ (ii) 14 (iii) 4 (iv) 9 (v) 18

2. The following outcomes were noted when a dice was thrown 22 times. Identify the frequency distribution table for the given data.

1 3 6 4 6 1 6 6 6 5 3 6 6 2 1 1 2 3 1 3 6 6

(i)

Outcome	1	2	3	4	5	6
No. of outcomes	6	1	4	1	1	9

(ii)

Outcome	1	2	3	4	5	6
No. of outcomes	5	3	1	3	5	5

(iii)

Outcome	1	2	3	4	5	6
No. of outcomes	5	2	4	1	1	9

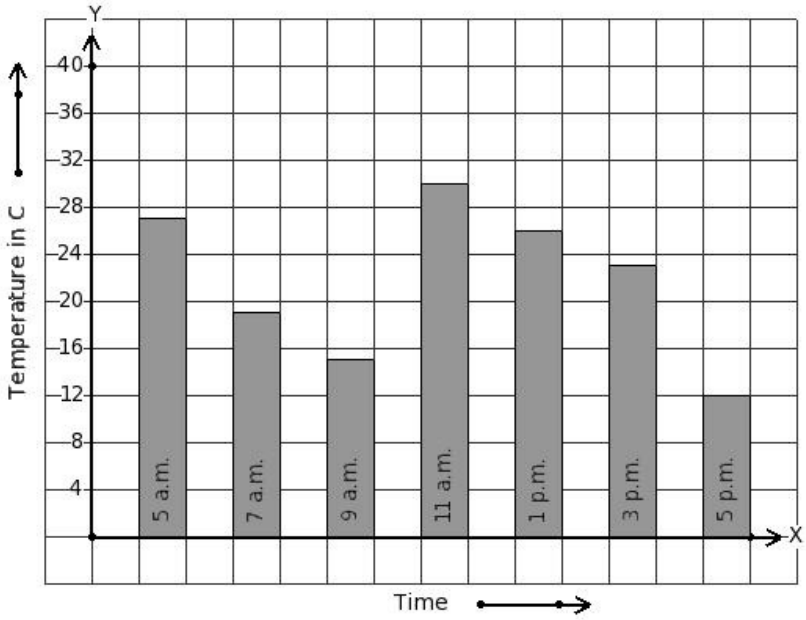
(iv)

Outcome	1	2	3	4	5	6
No. of outcomes	2	3	2	6	5	4

(v)

Outcome	1	2	3	4	5	6
No. of outcomes	4	2	5	1	1	9

3. On a certain day, the temperature in a city was recorded as shown below. Find the time that has minimum temperature.

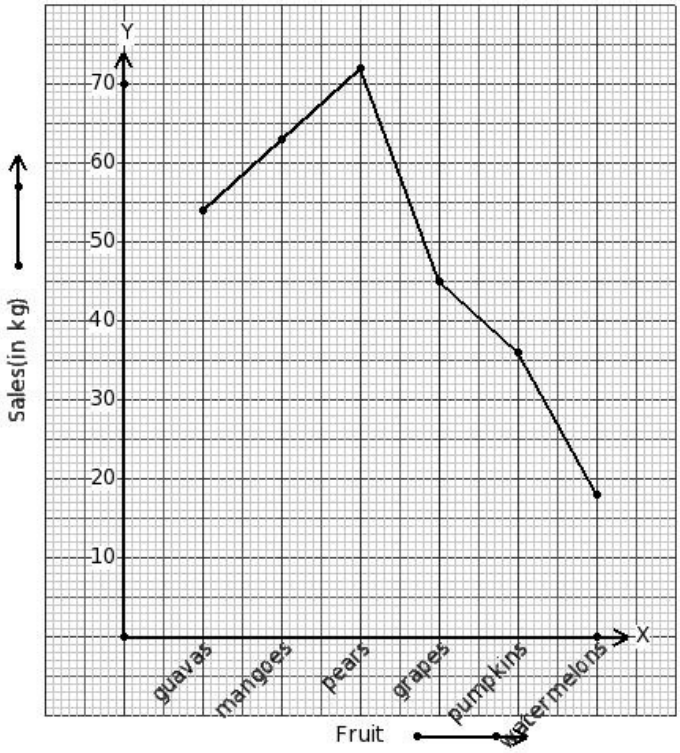


(i) 7 a.m. (ii) 11 a.m. (iii) 9 a.m. (iv) 5 p.m. (v) 1 p.m.

4. Given the mean of 9 samples as $11\frac{1}{9}$, what is the mean if a sample value is increased by 14 ?

(i) $\frac{40}{3}$ (ii) 14 (iii) $\frac{62}{5}$ (iv) 12 (v) $\frac{38}{3}$

5. The below graph gives a comparative account of sales(in kg) of various fruits on a certain day. Identify the table for the given line graph.



(i)

Fruit	guavas	mangoes	pears	grapes	pumpkins	watermelons
Sales(in kg)	54	63	72	45	36	18

(ii)

Fruit	guavas	mangoes	pears	grapes	pumpkins	watermelons
Sales(in kg)	54	63	72	45	44	18

(iii)

Fruit	guavas	mangoes	pears	grapes	pumpkins	watermelons
Sales(in kg)	54	63	66	45	36	18

(iv)

Fruit	guavas	mangoes	pears	grapes	pumpkins	watermelons
Sales(in kg)	54	63	72	53	36	18

(v)

Fruit	guavas	mangoes	pears	grapes	pumpkins	watermelons
Sales(in kg)	54	56	72	45	36	18

6. Weights of 10 students (in kg) are given below. Find the mean weight.

54 49 60 58 57 54 46 47 59 55

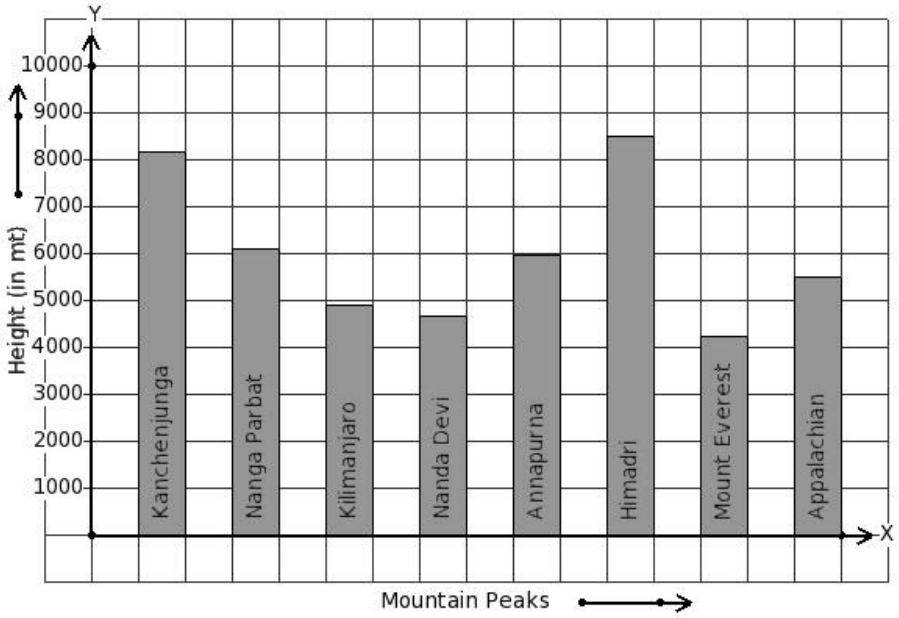
(i) $\frac{549}{10}$ kg (ii) $\frac{541}{10}$ kg (iii) $\frac{539}{10}$ kg (iv) 54 kg (v) $\frac{559}{10}$ kg

7. Rainfall of 10 days (in mm) are given below. Find the mean rainfall.

8 15 11 8 7 7 11 12 6 13

(i) $\frac{49}{5}$ mm (ii) $\frac{51}{5}$ mm (iii) $\frac{54}{5}$ mm (iv) $\frac{59}{5}$ mm (v) 10 mm

8. Given below is the column-graph showing heights of some mountain peaks. Find the mountain that has 8514 m height.



(i) Kilimanjaro (ii) Nanda Devi (iii) Himadri (iv) Kanchenjunga (v) Nanga Parbat

9. Weights of 30 students are given below. Find the mean.

Weight (in kg)	41	42	46	49	50	51	52	53	55	56	60
No. of students	3	4	2	4	1	1	4	4	1	4	2

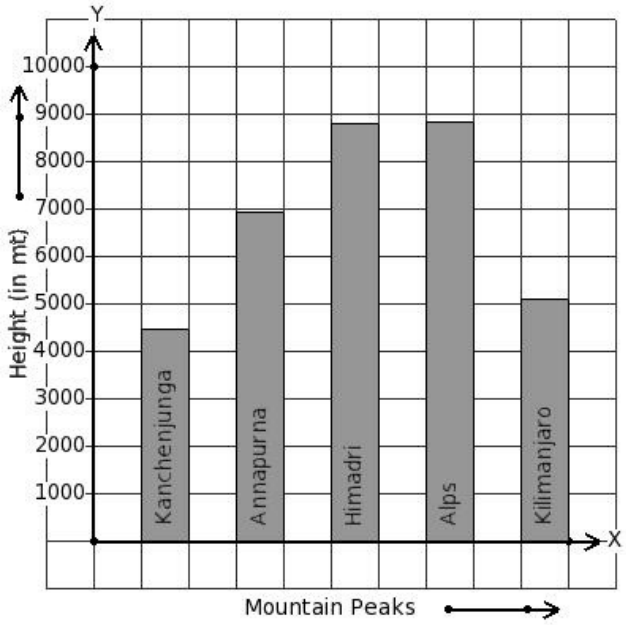
(i) $\frac{1529}{30}$ kg (ii) $\frac{1501}{30}$ kg (iii) $\frac{1559}{30}$ kg (iv) 50 kg (v) $\frac{1499}{30}$ kg

10. Given the mean of 12 samples as $5\frac{1}{4}$,

what is the new mean if two samples 7 and 1 are removed ?

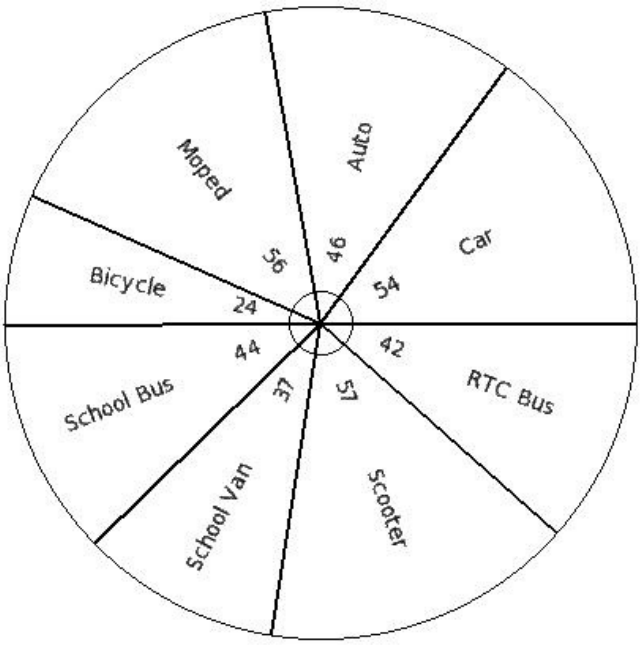
(i) $\frac{13}{2}$ (ii) $\frac{11}{2}$ (iii) $\frac{21}{4}$ (iv) 6 (v) $\frac{9}{2}$

11. Given below is the column-graph showing heights of some mountain peaks. Find the mountain that has maximum height.



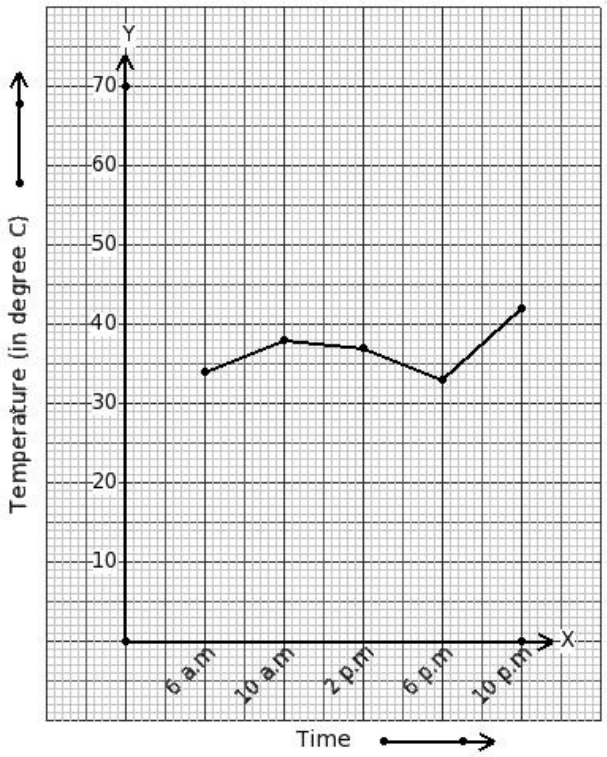
(i) Kanchenjunga (ii) Kilimanjaro (iii) Annapurna (iv) Himadri (v) Alps

12. 2130 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) Car (ii) Scooter (iii) Moped (iv) School Van (v) School Bus

13. Kamala 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)	34	38	37	27	42

(ii)

Time	6 a.m	10 a.m	2 p.m	6 p.m	10 p.m
Temperature (in degree C)	34	38	29	33	42

(iii)

Time	6 a.m	10 a.m	2 p.m	6 p.m	10 p.m
Temperature (in degree C)	34	38	37	33	42

(iv)

Time	6 a.m	10 a.m	2 p.m	6 p.m	10 p.m
Temperature (in degree C)	34	38	37	33	48

(v)

Time	6 a.m	10 a.m	2 p.m	6 p.m	10 p.m
Temperature (in degree C)	34	31	37	33	42

14. 1206 students of a certain locality use different modes of travel to school as shown below. Find the pie chart sector angle for "By Foot"

Mode of travel	Auto	Car	Moped	School Van	By Foot	School Bus	Bicycle
No. of students	36	54	126	180	252	270	288

(i) 74.22° (ii) 73.22° (iii) 76.22° (iv) 77.22° (v) 75.22°

15. Find the mean of the first 15 odd numbers.

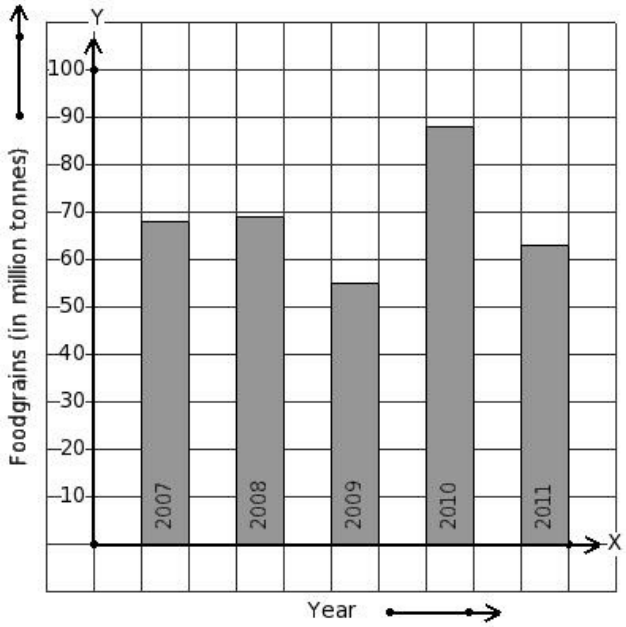
(i) 12 (ii) 15 (iii) 16 (iv) 18 (v) 14

16. Shown below is the total food grain production of 3780 million tonnes over 5 years. Find the pie chart sector angle for "2009"

Years	2007	2008	2009	2010	2011
Foodgrains (in million tonnes)	360	450	810	900	1260

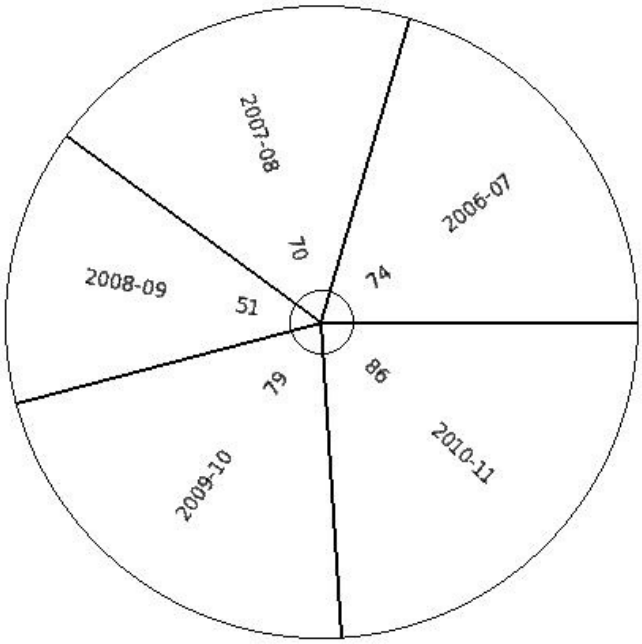
(i) 77.14° (ii) 79.14° (iii) 78.14° (iv) 76.14° (v) 75.14°

17. Read the column-graph given below. Find the year that has maximum food grains production.



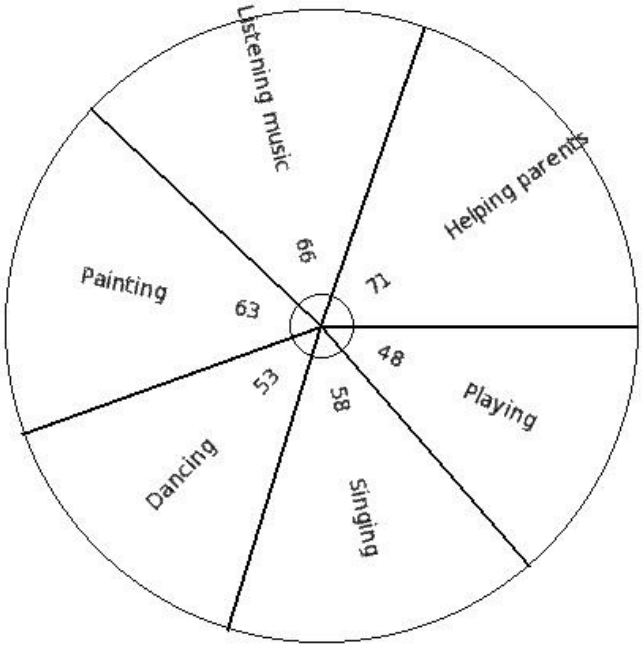
(i) 2009 (ii) 2011 (iii) 2007 (iv) 2008 (v) 2010

18. The total export earnings of ₹775 thousand crore of a country during five years is shown below. Find the year that has 110 thousand crore export earnings.



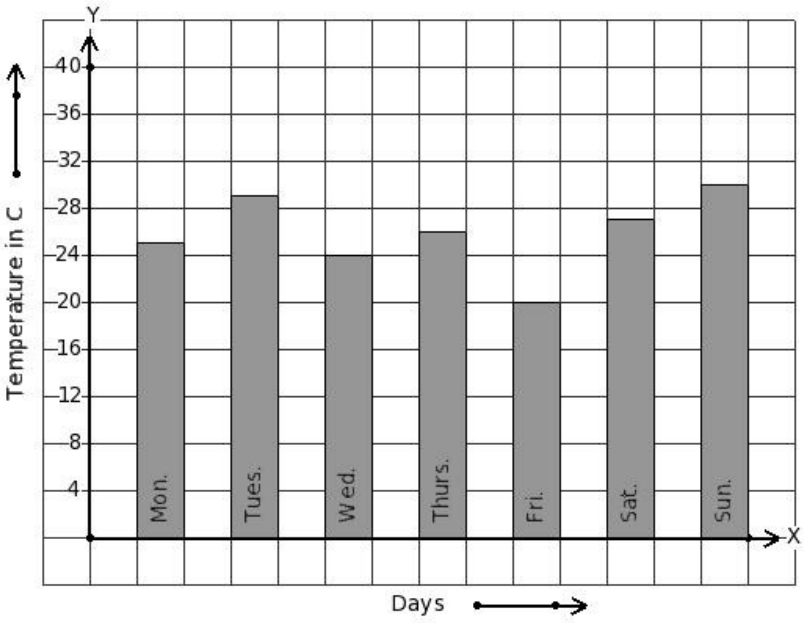
(i) 2007-08 (ii) 2010-11 (iii) 2009-10 (iv) 2008-09 (v) 2006-07

19. A survey of 1420 school students was done to knowthe preferred free time activity. Find the activity that has maximum preference.



(i) Playing (ii) Singing (iii) Dancing (iv) Listening music (v) Helping parents

20. Following bar graph gives the average temperature of a place during a week. Find the day that has minimum temperature.



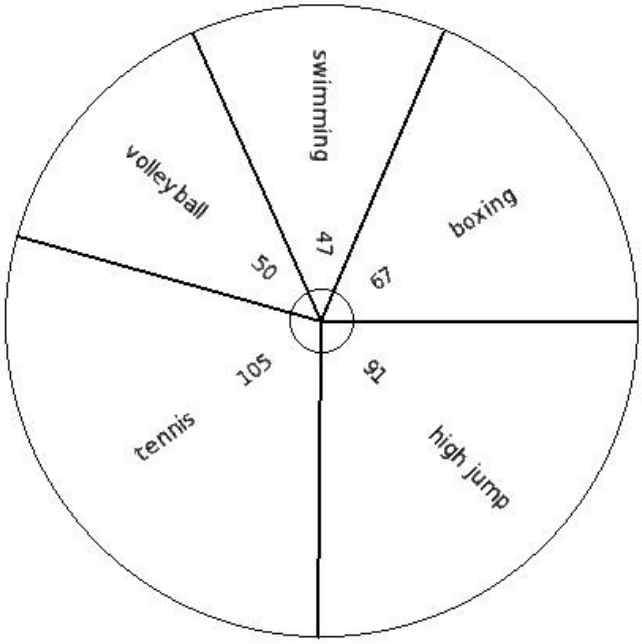
(i) Fri. (ii) Tues. (iii) Mon. (iv) Sun. (v) Thurs.

21. Temperatures of 15 days are given below. Find the mean.

Temperature (in degree C)	25	28	30	32	33	34
No. of days	3	3	2	2	2	3

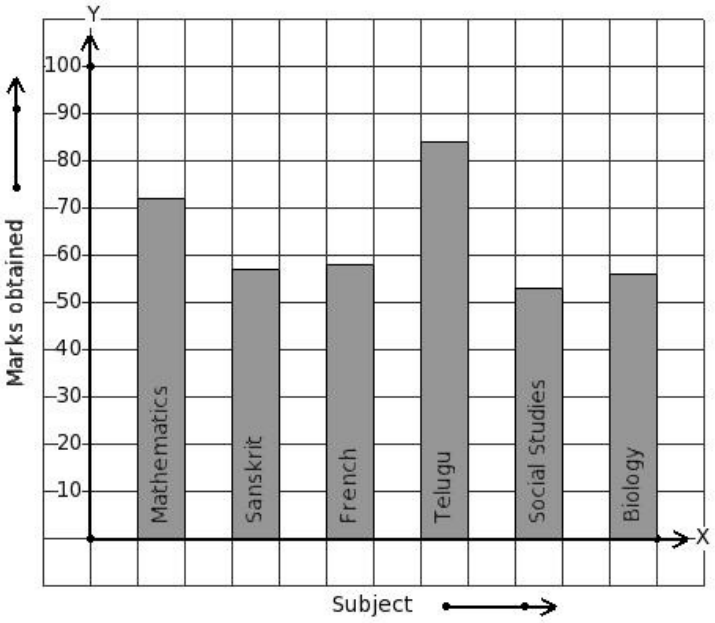
(i) $\frac{481}{15}$ °C (ii) $\frac{452}{15}$ °C (iii) $\frac{151}{5}$ °C (iv) $\frac{466}{15}$ °C (v) $\frac{451}{15}$ °C

22. The number of sectors present in the pie chart



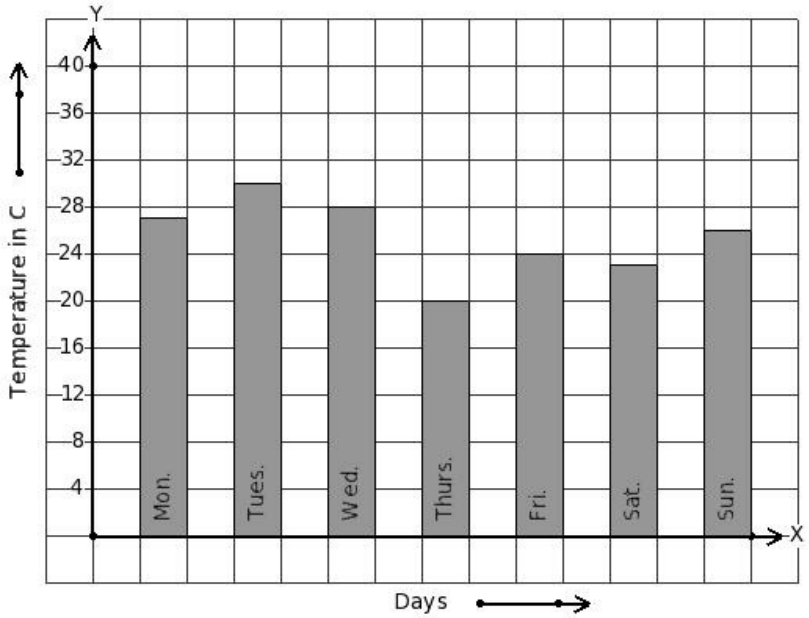
(i) 2 (ii) 5 (iii) 4 (iv) 8 (v) 6

23. The marks obtained by Prasad in his annual exam are shown below. Find the subject that has maximum score.



(i) Mathematics (ii) Telugu (iii) French (iv) Social Studies (v) Biology

24. Following bar graph gives the average temperature of a place during a week. Find the day that has 20 °C temperature.



(i) Sun. (ii) Tues. (iii) Sat. (iv) Fri. (v) Thurs.

25. Daily wages of 12 labourers (in ₹) are given below. Find the mean wage.

371 485 309 472 386 421 496 333 451 491 331 446

(i) ₹414.00 (ii) ₹417.00 (iii) ₹416.00 (iv) ₹415.00 (v) ₹418.00

Assignment Key

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