EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Graphical Representation of Statistical Data

Grade : ICSE Grade IX

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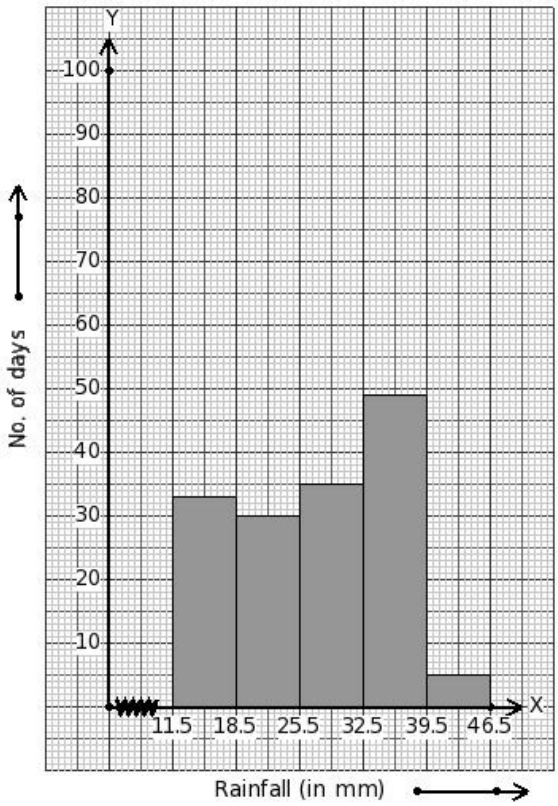
1. Rainfall of 152 days (in mm) are given below. Identify the class interval table for the given histogram.



(i)

Rainfall (in mm)	12 - 18	19 - 25	26 - 32	33 - 39	40 - 46
No. of days	33	26	35	49	5

(ii)

Rainfall (in mm)	12 - 18	19 - 25	26 - 32	33 - 39	40 - 46
No. of days	33	35	30	49	5

(iii)

Rainfall (in mm)	12 - 18	19 - 25	26 - 32	33 - 39	40 - 46
No. of days	33	30	37	49	5

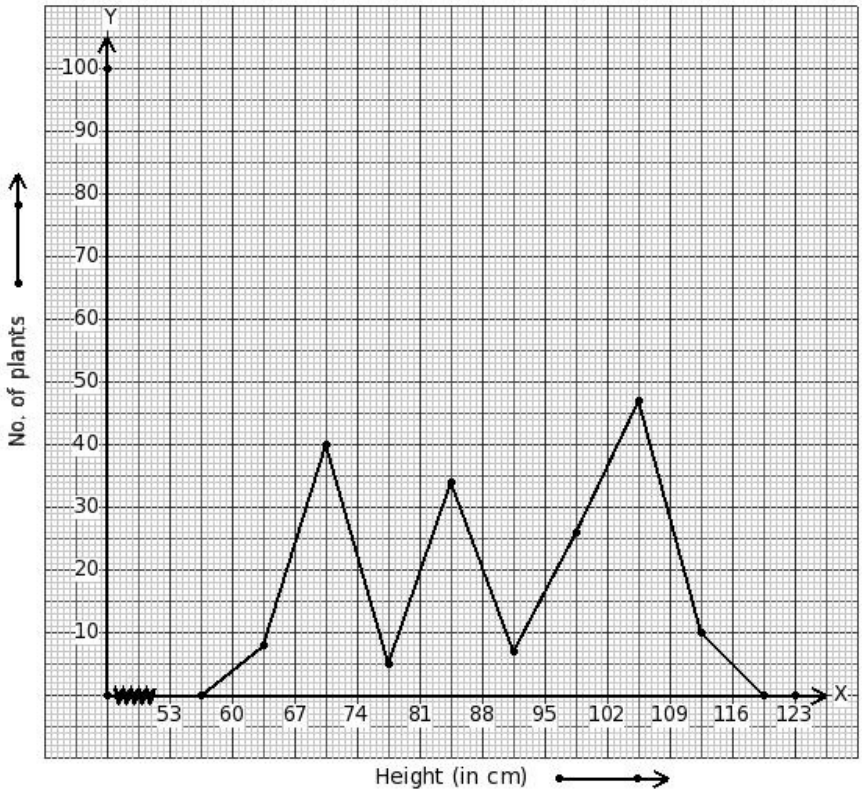
(iv)

Rainfall (in mm)	12 - 18	19 - 25	26 - 32	33 - 39	40 - 46
No. of days	33	5	35	49	30

(v)

Rainfall (in mm)	12 - 18	19 - 25	26 - 32	33 - 39	40 - 46
No. of days	33	30	35	49	5

2. Heights of 177 plants (in cm) are given below. Identify the class interval table for the given frequency polygon.



(i)

Height (in cm)	60 - 67	67 - 74	74 - 81	81 - 88	88 - 95	95 - 102	102 - 109	109 - 116
No. of plants	8	40	5	34	4	26	47	10

(ii)

Height (in cm)	60 - 67	67 - 74	74 - 81	81 - 88	88 - 95	95 - 102	102 - 109	109 - 116
No. of plants	8	10	5	34	7	26	47	40

(iii)

Height (in cm)	60 - 67	67 - 74	74 - 81	81 - 88	88 - 95	95 - 102	102 - 109	109 - 116
No. of plants	8	40	5	34	7	26	47	10

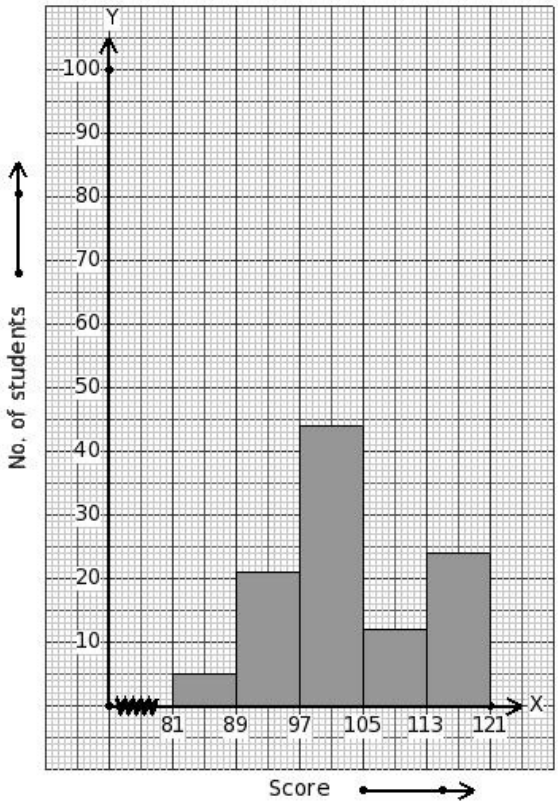
(iv)

Height (in cm)	60 - 67	67 - 74	74 - 81	81 - 88	88 - 95	95 - 102	102 - 109	109 - 116
No. of plants	8	40	2	34	7	26	47	10

(v)

Height (in cm)	60 - 67	67 - 74	74 - 81	81 - 88	88 - 95	95 - 102	102 - 109	109 - 116
No. of plants	8	40	34	5	7	26	47	10

3. Scores of 106 students are given below. Identify the class interval table for the given histogram.



(i)

Score	81 - 89	89 - 97	97 - 105	105 - 113	113 - 121
No. of students	5	21	44	12	24

(ii)

Score	81 - 89	89 - 97	97 - 105	105 - 113	113 - 121
No. of students	5	44	21	12	24

(iii)

Score	81 - 89	89 - 97	97 - 105	105 - 113	113 - 121
No. of students	5	21	49	12	24

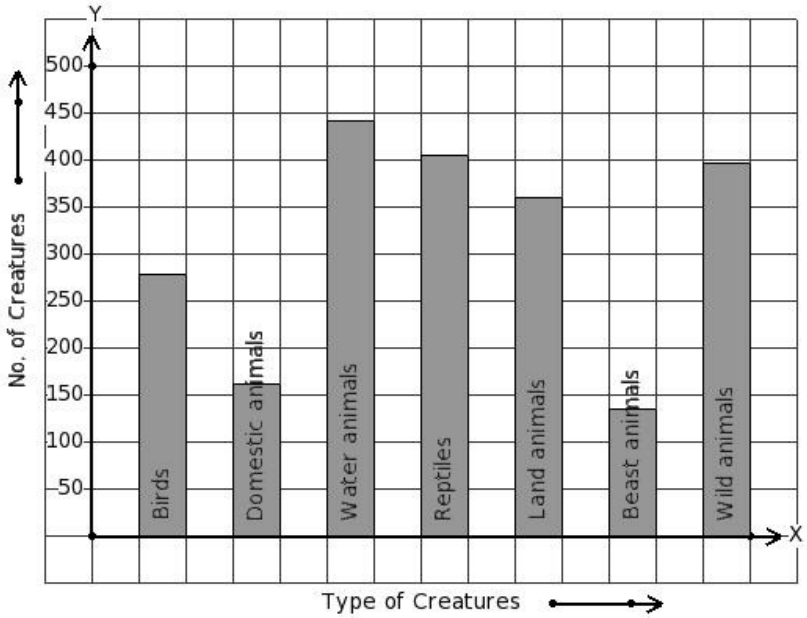
(iv)

Score	81 - 89	89 - 97	97 - 105	105 - 113	113 - 121
No. of students	5	17	44	12	24

(v)

Score	81 - 89	89 - 97	97 - 105	105 - 113	113 - 121
No. of students	5	24	44	12	21

4. There are 2178 creatures in a zoo as shown in the bar graph. Identify the table for the given bar diagram.



(i)

Type of Creatures	Birds	Domestic animals	Water animals	Reptiles	Land animals	Beast animals	Wild animals
No. of Creatures	135	441	162	279	396	360	405

(ii)

Type of Creatures	Birds	Domestic animals	Water animals	Reptiles	Land animals	Beast animals	Wild animals
No. of Creatures	135	360	441	405	396	162	279

(iii)

Type of Creatures	Birds	Domestic animals	Water animals	Reptiles	Land animals	Beast animals	Wild animals
No. of Creatures	135	360	279	441	405	162	396

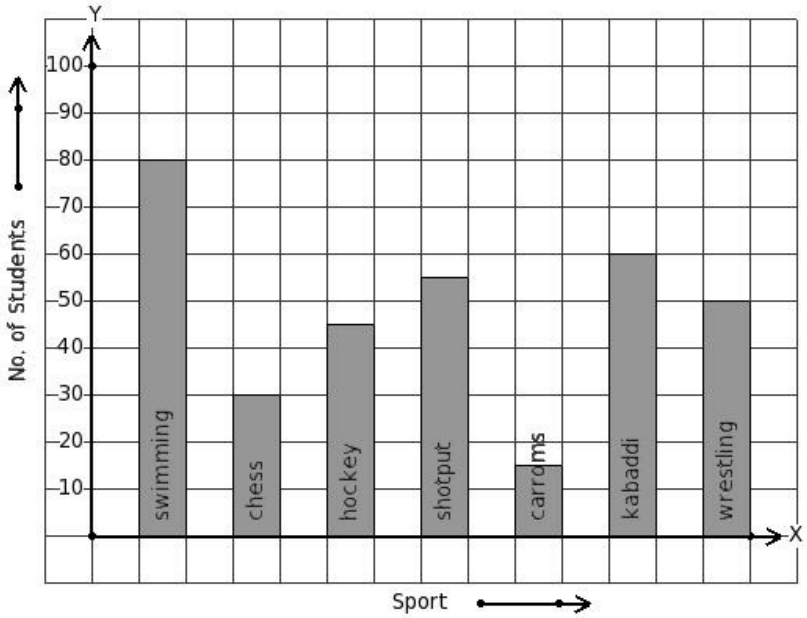
(iv)

Type of Creatures	Birds	Domestic animals	Water animals	Reptiles	Land animals	Beast animals	Wild animals
No. of Creatures	279	162	441	405	360	135	396

(v)

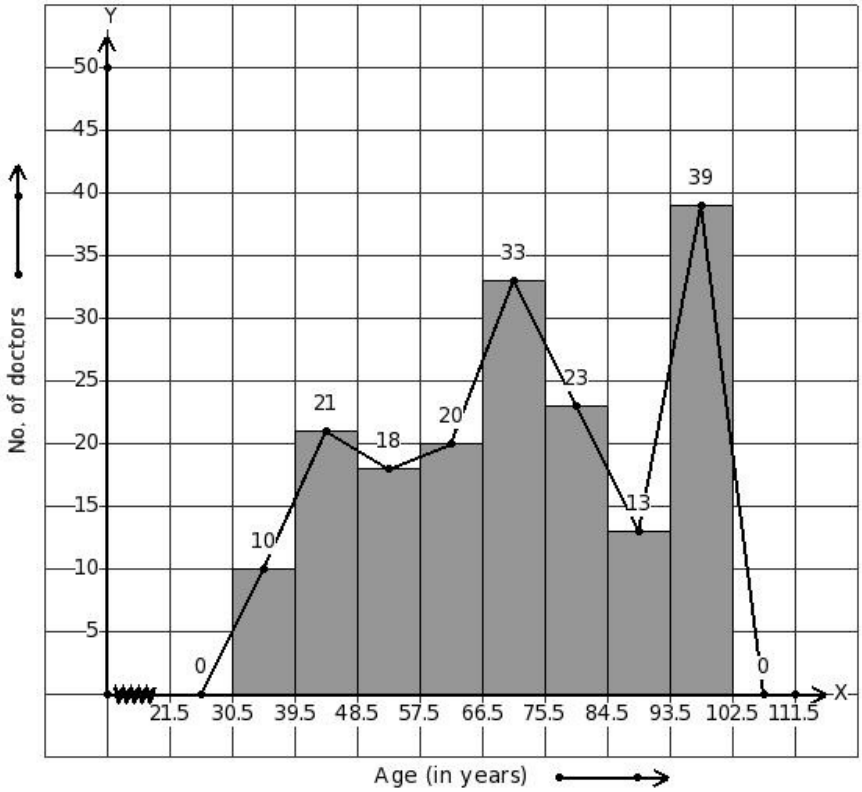
Type of Creatures	Birds	Domestic animals	Water animals	Reptiles	Land animals	Beast animals	Wild animals
No. of Creatures	162	405	135	441	396	279	360

5. Given the bar graph, find the minimum frequency



(i) 10 (ii) 30 (iii) 20 (iv) 15 (v) 25

6. Given the number of doctors working in government hospitals in a city in various age groups. Identify the class interval table for the given histogram and frequency polygon on the same graph.



(i)

Age (in years)	31 - 39	40 - 48	49 - 57	58 - 66	67 - 75	76 - 84	85 - 93	94 - 102
No. of doctors	10	21	20	18	33	23	13	39

(ii)

Age (in years)	31 - 39	40 - 48	49 - 57	58 - 66	67 - 75	76 - 84	85 - 93	94 - 102
No. of doctors	10	39	18	20	33	23	13	21

(iii)

Age (in years)	31 - 39	40 - 48	49 - 57	58 - 66	67 - 75	76 - 84	85 - 93	94 - 102
No. of doctors	10	21	14	20	33	23	13	39

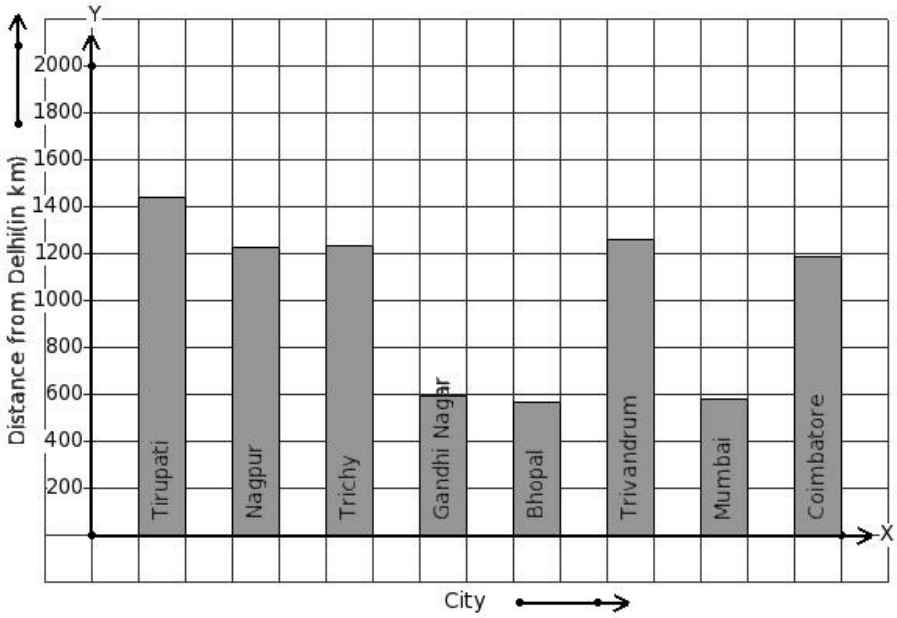
(iv)

Age (in years)	31 - 39	40 - 48	49 - 57	58 - 66	67 - 75	76 - 84	85 - 93	94 - 102
No. of doctors	10	21	18	20	33	23	13	39

(v)

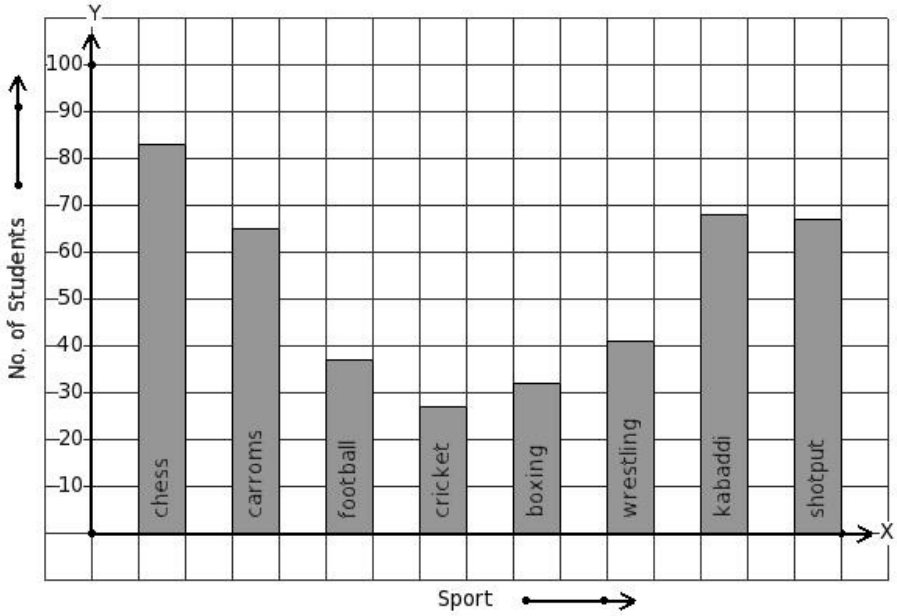
Age (in years)	31 - 39	40 - 48	49 - 57	58 - 66	67 - 75	76 - 84	85 - 93	94 - 102
No. of doctors	10	21	18	20	35	23	13	39

7. The air distance of some cities from Delhi (in km) are given below. Find the city that has 1187 km distance.



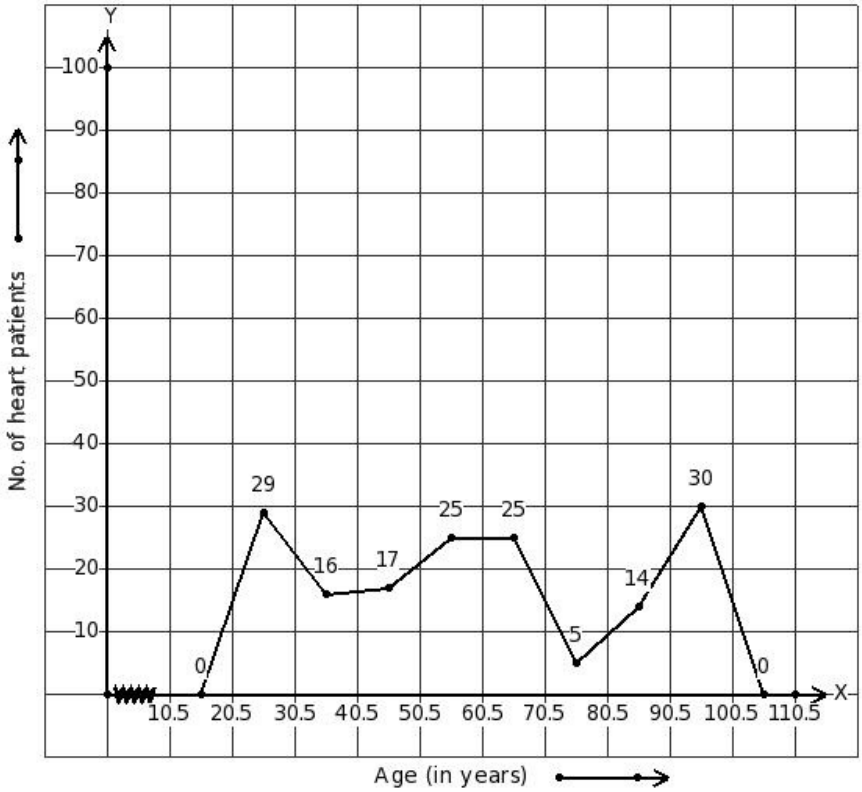
(i) Mumbai (ii) Gandhi Nagar (iii) Nagpur (iv) Coimbatore (v) Trichy

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



(i) 7 (ii) 5 (iii) 8 (iv) 9 (v) 11

9. Given frequency polygon showing the number of heart patients at various age groups, identify the class interval table.



(i)

Age (in years)	21 - 30	31 - 40	41 - 50	51 - 60	61 - 70	71 - 80	81 - 90	91 - 100
No. of heart patients	29	16	25	17	25	5	14	30

(ii)

Age (in years)	21 - 30	31 - 40	41 - 50	51 - 60	61 - 70	71 - 80	81 - 90	91 - 100
No. of heart patients	29	16	17	25	25	5	14	30

(iii)

Age (in years)	21 - 30	31 - 40	41 - 50	51 - 60	61 - 70	71 - 80	81 - 90	91 - 100
No. of heart patients	29	16	22	25	25	5	14	30

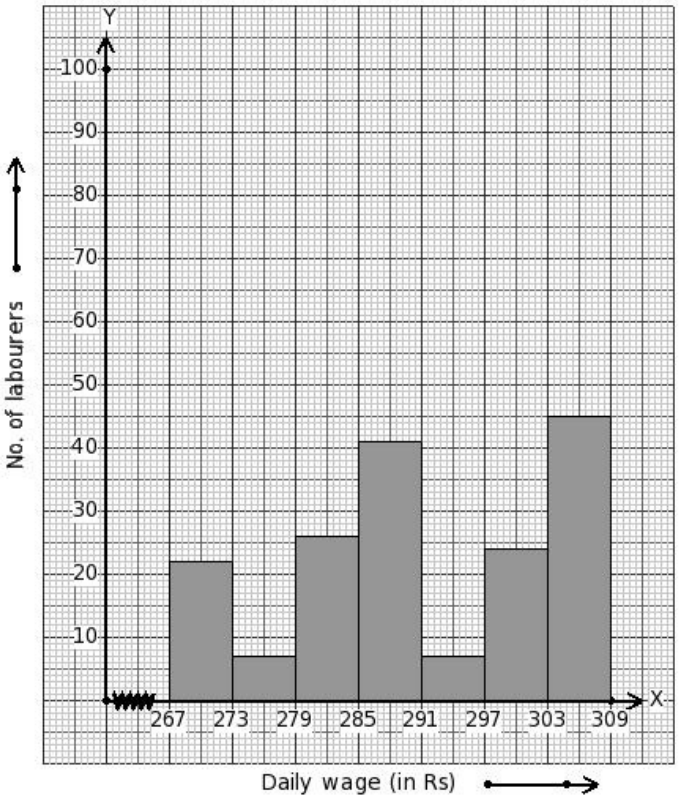
(iv)

Age (in years)	21 - 30	31 - 40	41 - 50	51 - 60	61 - 70	71 - 80	81 - 90	91 - 100
No. of heart patients	29	16	17	25	23	5	14	30

(v)

Age (in years)	21 - 30	31 - 40	41 - 50	51 - 60	61 - 70	71 - 80	81 - 90	91 - 100
No. of heart patients	29	30	17	25	25	5	14	16

10. Daily wages of 172 labourers (in ₹) are given below. Identify the class interval table for the given histogram.



(i)

Daily wage (in Rs)	267 - 273	273 - 279	279 - 285	285 - 291	291 - 297	297 - 303	303 - 309
No. of labourers	22	7	26	43	7	24	45

(ii)

Daily wage (in Rs)	267 - 273	273 - 279	279 - 285	285 - 291	291 - 297	297 - 303	303 - 309
No. of labourers	22	45	26	41	7	24	7

(iii)

Daily wage (in Rs)	267 - 273	273 - 279	279 - 285	285 - 291	291 - 297	297 - 303	303 - 309
No. of labourers	22	7	26	41	7	24	45

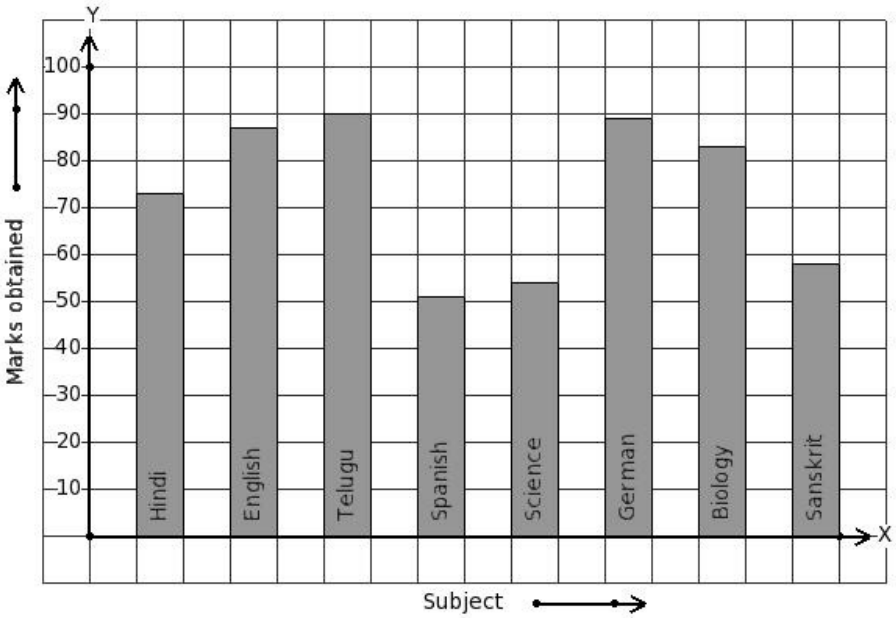
(iv)

Daily wage (in Rs)	267 - 273	273 - 279	279 - 285	285 - 291	291 - 297	297 - 303	303 - 309
No. of labourers	22	7	31	41	7	24	45

(v)

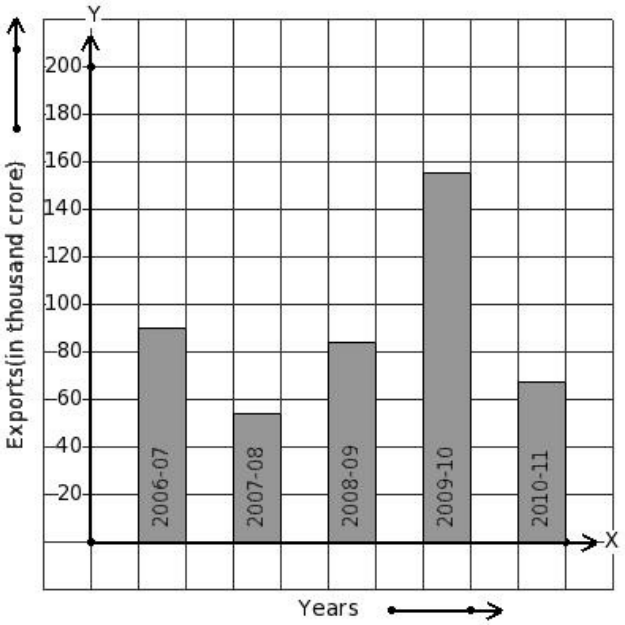
Daily wage (in Rs)	267 - 273	273 - 279	279 - 285	285 - 291	291 - 297	297 - 303	303 - 309
No. of labourers	22	26	7	41	7	24	45

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



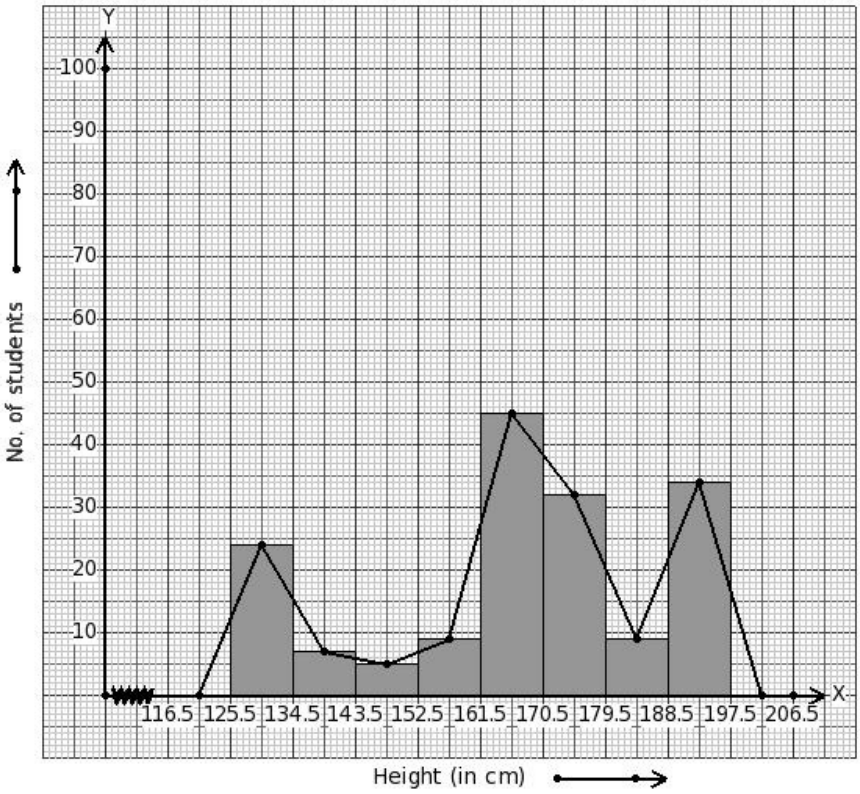
(i) English (ii) Science (iii) Biology (iv) Telugu (v) Hindi

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



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

13. Heights of 165 students (in cm) are given below.
Identify the class interval table for the given histogram and frequency polygon on the same graph.



(i)

Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188	189 - 197
No. of students	24	34	5	9	45	32	9	7

(ii)

Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188	189 - 197
No. of students	24	7	9	5	45	32	9	34

(iii)

Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188	189 - 197
No. of students	24	7	5	9	41	32	9	34

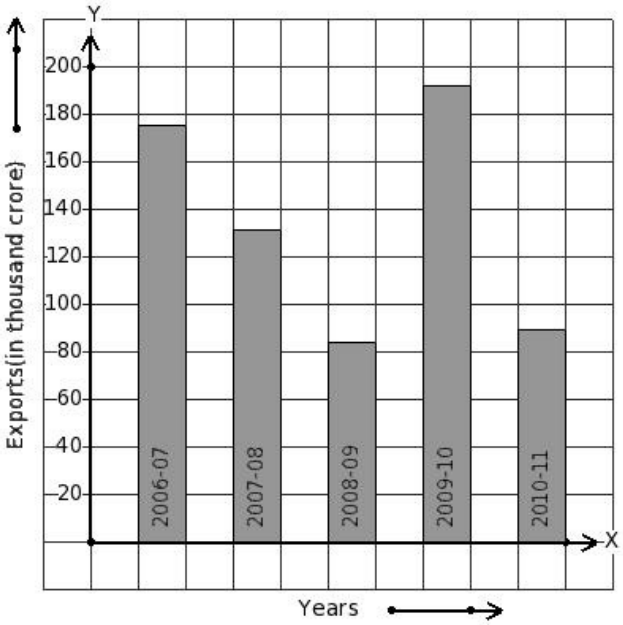
(iv)

Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188	189 - 197
No. of students	24	7	10	9	45	32	9	34

(v)

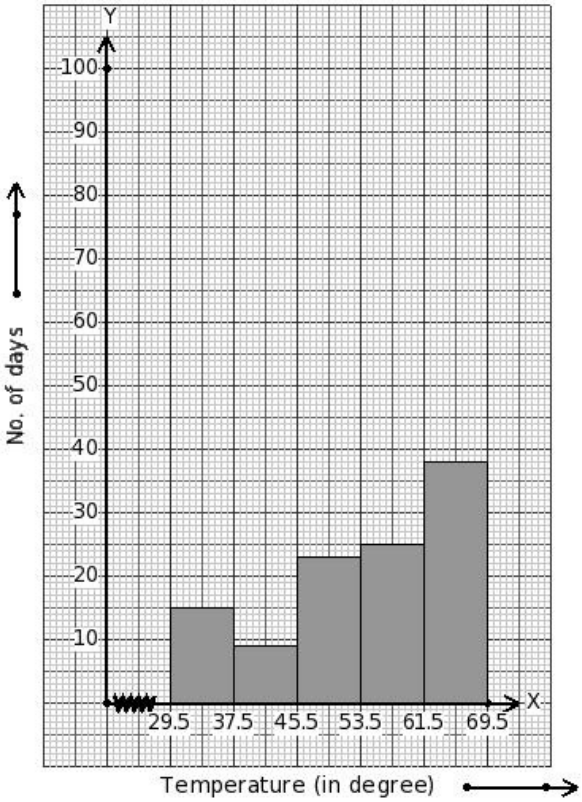
Height (in cm)	126 - 134	135 - 143	144 - 152	153 - 161	162 - 170	171 - 179	180 - 188	189 - 197
No. of students	24	7	5	9	45	32	9	34

14. The following bar graph shows the export earnings of a country (in thousand crore) during five years. Find the year that has 89 thousand crore export earnings.



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

15. Temperatures of 110 days (in °C) are given below. Identify the class mark table for the given histogram.



(i)

Temperature (in degree)	33.5	41.5	49.5	57.5	65.5
No. of days	15	6	23	25	38

(ii)

Temperature (in degree)	33.5	41.5	49.5	57.5	65.5
No. of days	15	38	23	25	9

(iii)

Temperature (in degree)	33.5	41.5	49.5	57.5	65.5
No. of days	15	9	23	25	38

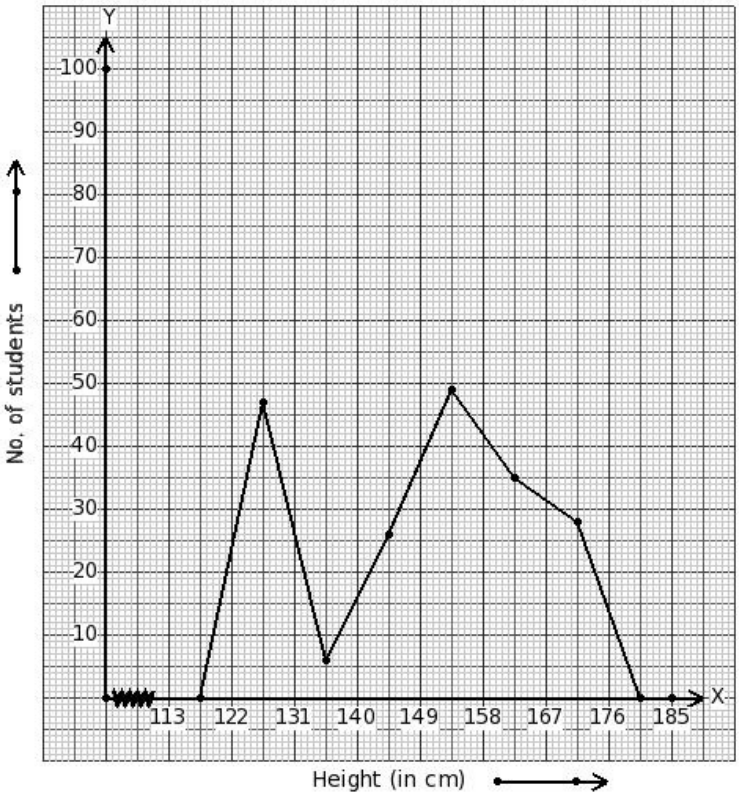
(iv)

Temperature (in degree)	33.5	41.5	49.5	57.5	65.5
No. of days	15	9	19	25	38

(v)

Temperature (in degree)	33.5	41.5	49.5	57.5	65.5
No. of days	15	23	9	25	38

16. Heights of 191 students (in cm) are given below. Identify the class interval table for the given frequency polygon.



(i)

Height (in cm)	122 - 131	131 - 140	140 - 149	149 - 158	158 - 167	167 - 176
No. of students	47	6	26	49	35	28

(ii)

Height (in cm)	122 - 131	131 - 140	140 - 149	149 - 158	158 - 167	167 - 176
No. of students	47	26	6	49	35	28

(iii)

Height (in cm)	122 - 131	131 - 140	140 - 149	149 - 158	158 - 167	167 - 176
No. of students	47	6	26	45	35	28

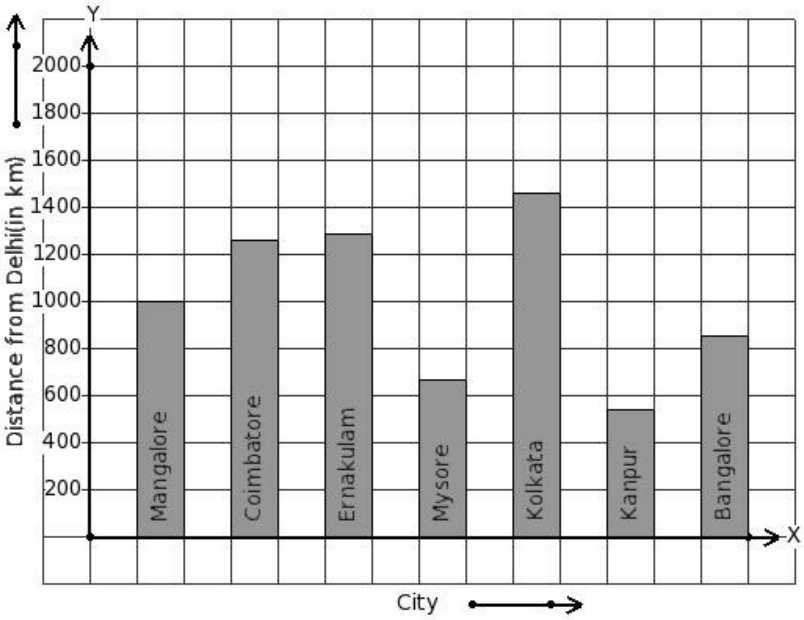
(iv)

Height (in cm)	122 - 131	131 - 140	140 - 149	149 - 158	158 - 167	167 - 176
No. of students	47	28	26	49	35	6

(v)

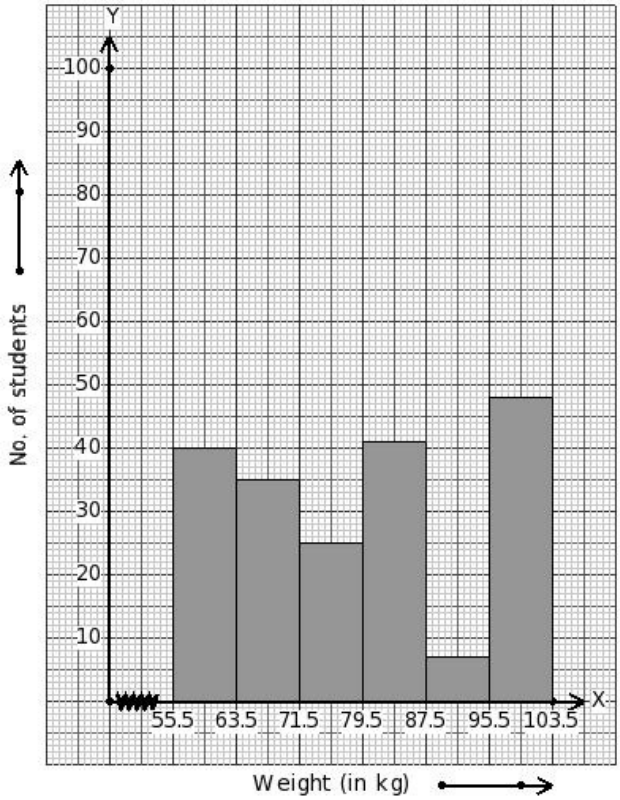
Height (in cm)	122 - 131	131 - 140	140 - 149	149 - 158	158 - 167	167 - 176
No. of students	47	6	31	49	35	28

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



(i) Kolkata (ii) Coimbatore (iii) Mysore (iv) Kanpur (v) Bangalore

18. Weights of 196 students (in kg) are given below. Identify the class mark table for the given histogram.



(i)

Weight (in kg)	59.5	67.5	75.5	83.5	91.5	99.5
No. of students	40	35	25	41	7	48

(ii)

Weight (in kg)	59.5	67.5	75.5	83.5	91.5	99.5
No. of students	40	35	25	36	7	48

(iii)

Weight (in kg)	59.5	67.5	75.5	83.5	91.5	99.5
No. of students	40	25	35	41	7	48

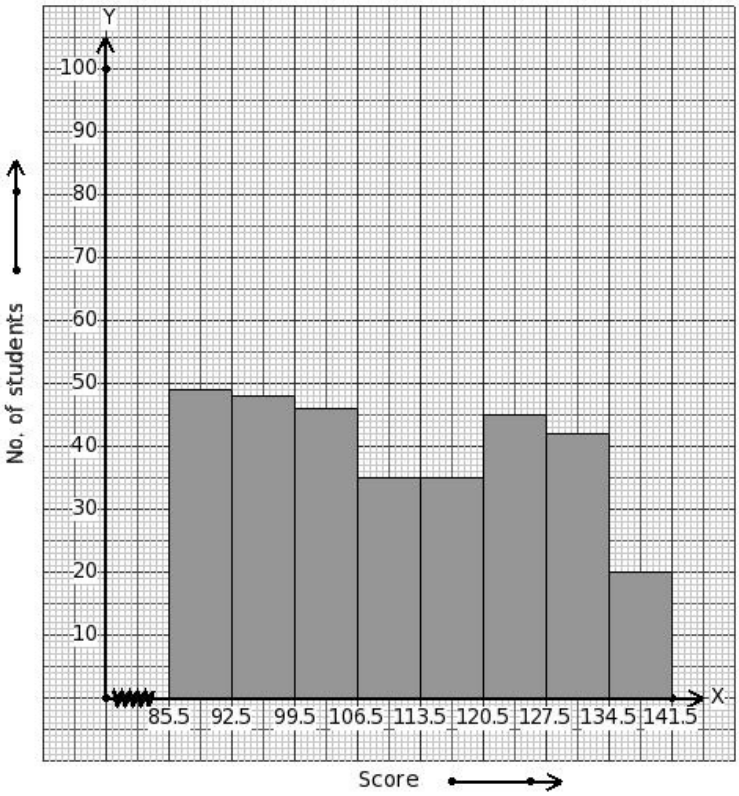
(iv)

Weight (in kg)	59.5	67.5	75.5	83.5	91.5	99.5
No. of students	40	48	25	41	7	35

(v)

Weight (in kg)	59.5	67.5	75.5	83.5	91.5	99.5
No. of students	40	35	21	41	7	48

19. Scores of 320 students are given below. Identify the class interval table for the given histogram.



(i)

Score	86 - 92	93 - 99	100 - 106	107 - 113	114 - 120	121 - 127	128 - 134	135 - 141
No. of students	49	20	46	35	35	45	42	48

(ii)

Score	86 - 92	93 - 99	100 - 106	107 - 113	114 - 120	121 - 127	128 - 134	135 - 141
No. of students	49	48	46	35	35	45	42	20

(iii)

Score	86 - 92	93 - 99	100 - 106	107 - 113	114 - 120	121 - 127	128 - 134	135 - 141
No. of students	49	48	44	35	35	45	42	20

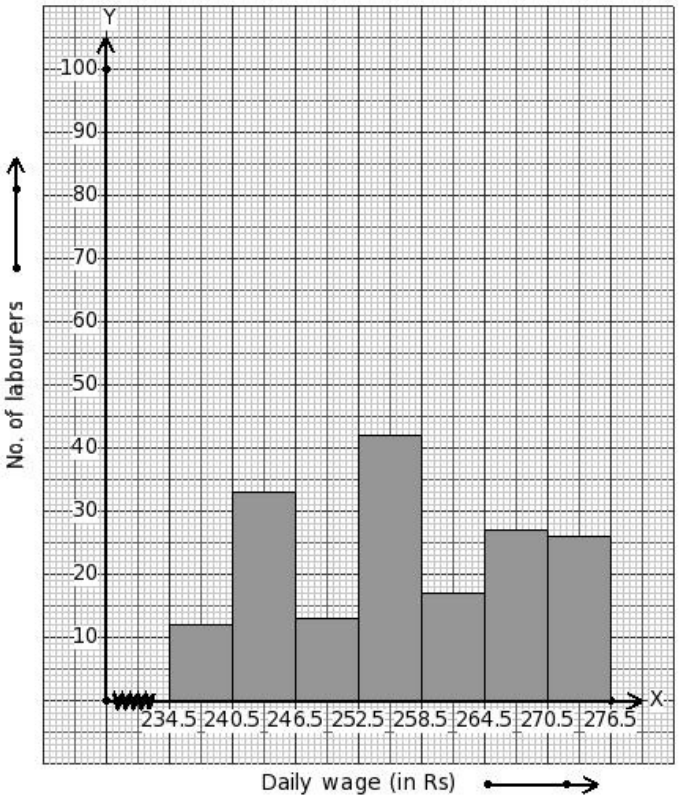
(iv)

Score	86 - 92	93 - 99	100 - 106	107 - 113	114 - 120	121 - 127	128 - 134	135 - 141
No. of students	49	48	35	46	35	45	42	20

(v)

Score	86 - 92	93 - 99	100 - 106	107 - 113	114 - 120	121 - 127	128 - 134	135 - 141
No. of students	49	48	46	35	39	45	42	20

20. Daily wages of 170 labourers (in ₹) are given below. Identify the class interval table for the given histogram.



(i)

Daily wage (in Rs)	235 - 240	241 - 246	247 - 252	253 - 258	259 - 264	265 - 270	271 - 276
No. of labourers	12	26	13	42	17	27	33

(ii)

Daily wage (in Rs)	235 - 240	241 - 246	247 - 252	253 - 258	259 - 264	265 - 270	271 - 276
No. of labourers	12	33	18	42	17	27	26

(iii)

Daily wage (in Rs)	235 - 240	241 - 246	247 - 252	253 - 258	259 - 264	265 - 270	271 - 276
No. of labourers	12	13	33	42	17	27	26

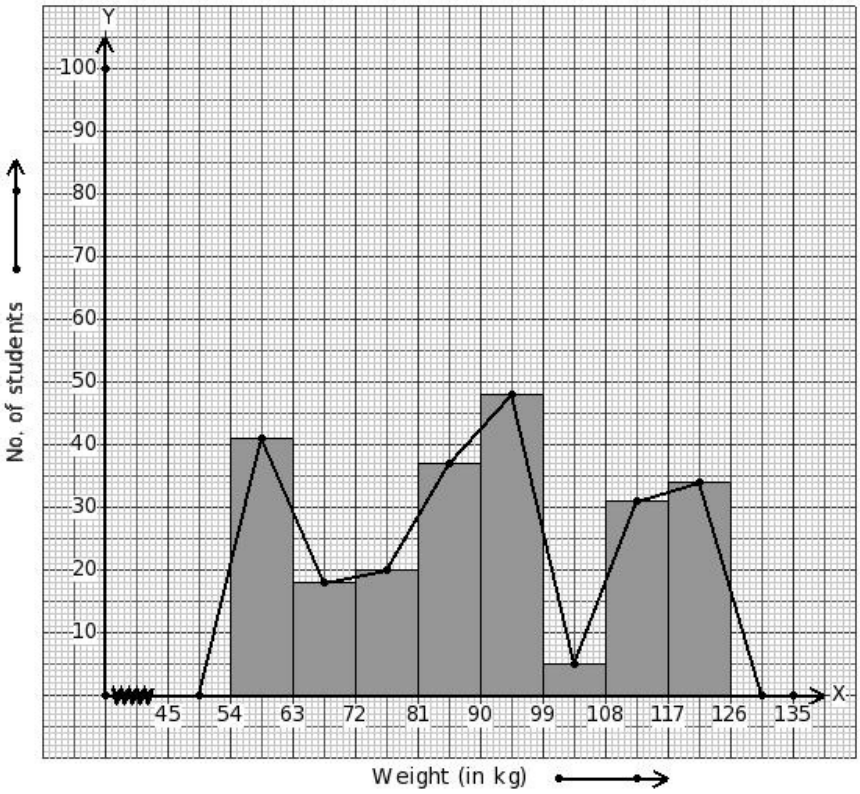
(iv)

Daily wage (in Rs)	235 - 240	241 - 246	247 - 252	253 - 258	259 - 264	265 - 270	271 - 276
No. of labourers	12	33	13	47	17	27	26

(v)

Daily wage (in Rs)	235 - 240	241 - 246	247 - 252	253 - 258	259 - 264	265 - 270	271 - 276
No. of labourers	12	33	13	42	17	27	26

21. Weights of 234 students (in kg) are given below.
Identify the class interval table for the given histogram and frequency polygon on the same graph.



(i)

Weight (in kg)	54 - 63	63 - 72	72 - 81	81 - 90	90 - 99	99 - 108	108 - 117	117 - 126
No. of students	41	18	23	37	48	5	31	34

(ii)

Weight (in kg)	54 - 63	63 - 72	72 - 81	81 - 90	90 - 99	99 - 108	108 - 117	117 - 126
No. of students	41	18	37	20	48	5	31	34

(iii)

Weight (in kg)	54 - 63	63 - 72	72 - 81	81 - 90	90 - 99	99 - 108	108 - 117	117 - 126
No. of students	41	34	20	37	48	5	31	18

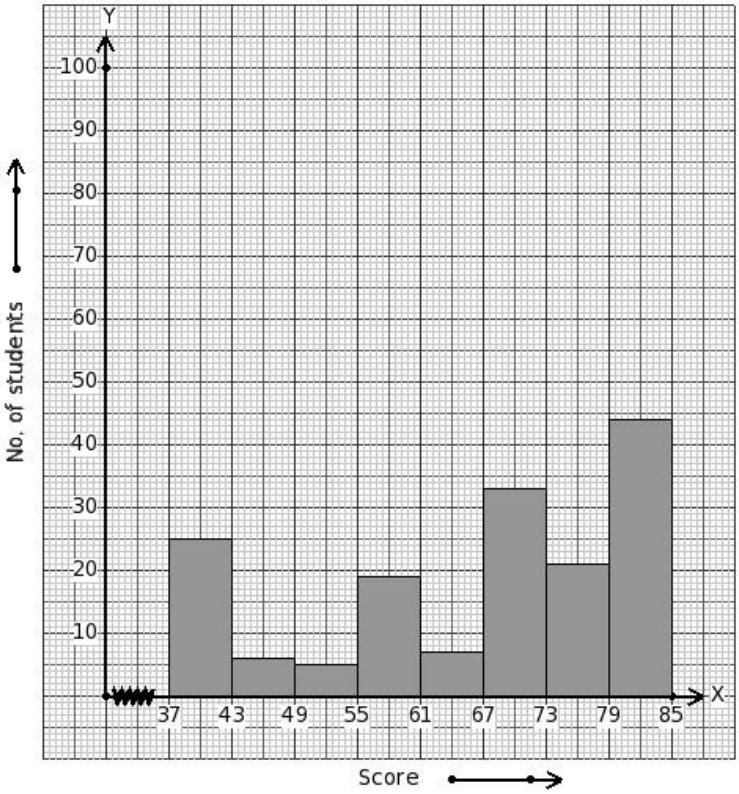
(iv)

Weight (in kg)	54 - 63	63 - 72	72 - 81	81 - 90	90 - 99	99 - 108	108 - 117	117 - 126
No. of students	41	18	20	37	46	5	31	34

(v)

Weight (in kg)	54 - 63	63 - 72	72 - 81	81 - 90	90 - 99	99 - 108	108 - 117	117 - 126
No. of students	41	18	20	37	48	5	31	34

22. Scores of 160 students are given below. Identify the class mark table for the given histogram.



(i)

Score	40	46	52	58	64	70	76	82
No. of students	25	6	19	5	7	33	21	44

(ii)

Score	40	46	52	58	64	70	76	82
No. of students	25	6	5	19	7	33	21	44

(iii)

Score	40	46	52	58	64	70	76	82
No. of students	25	6	5	19	12	33	21	44

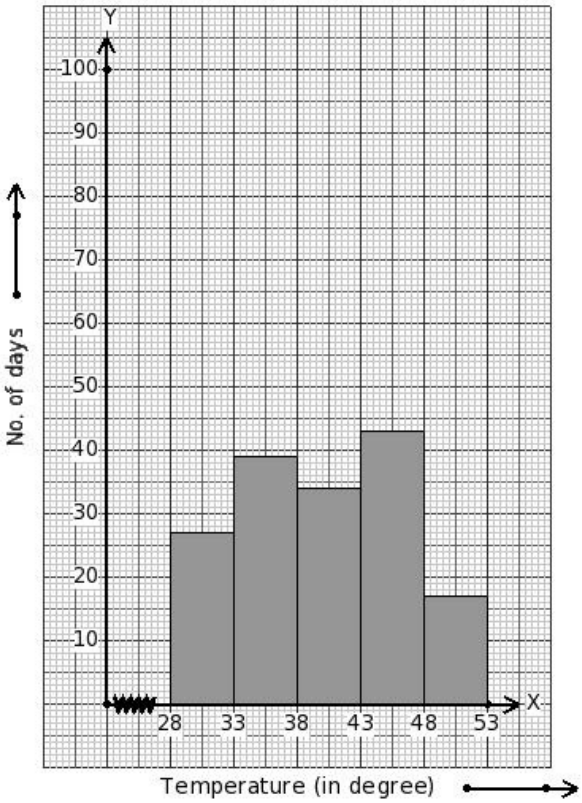
(iv)

Score	40	46	52	58	64	70	76	82
No. of students	25	44	5	19	7	33	21	6

(v)

Score	40	46	52	58	64	70	76	82
No. of students	25	6	3	19	7	33	21	44

23. Temperatures of 160 days (in °C) are given below. Identify the class interval table for the given histogram.



(i)

Temperature (in degree)	28 - 33	33 - 38	38 - 43	43 - 48	48 - 53
No. of days	27	39	30	43	17

(ii)

Temperature (in degree)	28 - 33	33 - 38	38 - 43	43 - 48	48 - 53
No. of days	27	34	39	43	17

(iii)

Temperature (in degree)	28 - 33	33 - 38	38 - 43	43 - 48	48 - 53
No. of days	27	39	34	43	17

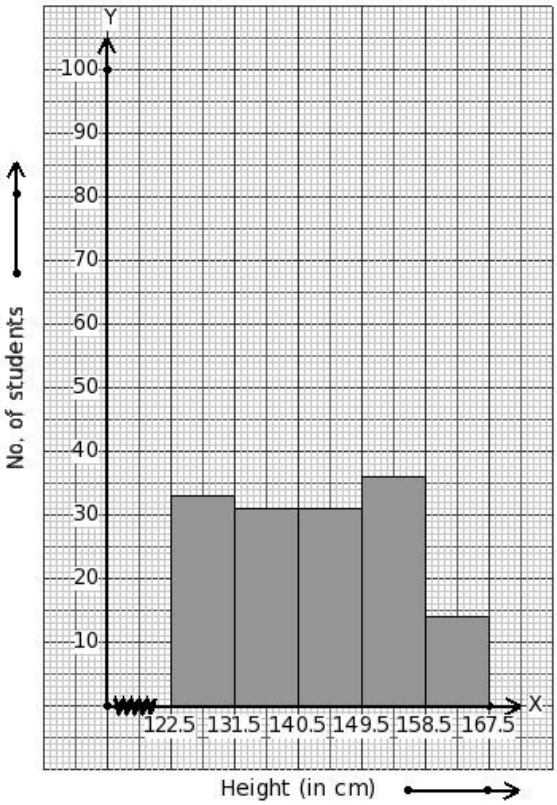
(iv)

Temperature (in degree)	28 - 33	33 - 38	38 - 43	43 - 48	48 - 53
No. of days	27	17	34	43	39

(v)

Temperature (in degree)	28 - 33	33 - 38	38 - 43	43 - 48	48 - 53
No. of days	27	42	34	43	17

24. Heights of 145 students (in cm) are given below. Identify the class interval table for the given histogram.



(i)

Height (in cm)	123 - 131	132 - 140	141 - 149	150 - 158	159 - 167
No. of students	33	14	31	36	31

(ii)

Height (in cm)	123 - 131	132 - 140	141 - 149	150 - 158	159 - 167
No. of students	33	31	31	36	14

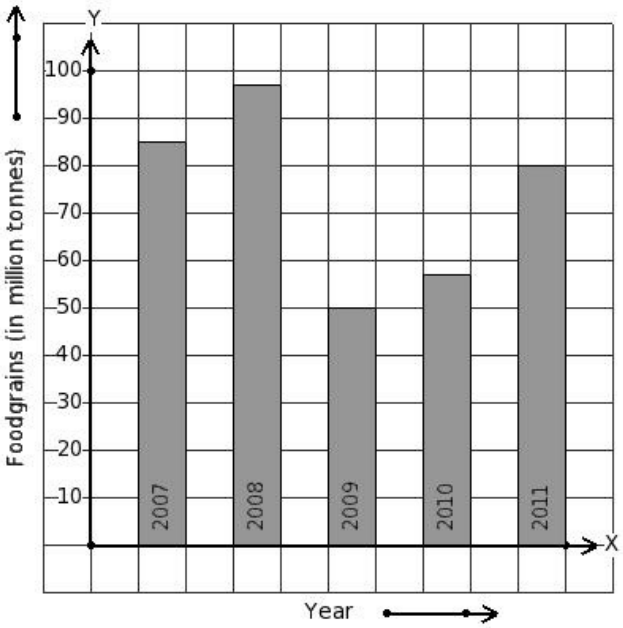
(iii)

Height (in cm)	123 - 131	132 - 140	141 - 149	150 - 158	159 - 167
No. of students	33	28	31	36	14

(iv)

Height (in cm)	123 - 131	132 - 140	141 - 149	150 - 158	159 - 167
No. of students	33	31	28	36	14

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



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

Assignment Key

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

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