EduSahara™ Assignment

Name : Frequency Distribution Table Metrics

Chapter : Statistics

Grade : ICSE Grade VIII

License : Non Commercial Use

1. Scores of 26 students are given below. Find the mode.

Score	70	74	75	76	80	84	87	88	90
No. of students	1	3	2	2	5	7	2	3	1

(i) 82 (ii) 86 (iii) 84 (iv) 85 (v) 83

2. Temperatures of 20 days are given below. Find the median.

Temperature (in degree C)	25	26	28	30	31	34	35
No. of days	3	5	4	3	3	1	1

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

3. Weights of 10 students are given below. Find the mean.

Weight (in kg)	44	47	49	53	54	56	60
No. of students	2	1	1	2	2	1	1

(i) $\frac{259}{5}$ kg (ii) $\frac{258}{5}$ kg (iii) $\frac{257}{5}$ kg (iv) $\frac{262}{5}$ kg (v) $\frac{267}{5}$ kg

4. Weights of 16 students are given below. Find the mode.

Weight (in kg)	41	43	50	52	53	55	56	57
No. of students	2	2	4	3	1	2	1	1

(i) 50 kg (ii) 49 kg (iii) 52 kg (iv) 51 kg (v) 48 kg

5. Weights of 20 students are given below. Find the median.

Weight (in kg)	40	42	48	49	51	55	56	57
No. of students	2	1	1	4	2	5	1	4

(i) 55 kg (ii) 51 kg (iii) 52 kg (iv) 54 kg (v) 53 kg

6. Wages of 20 labourers are given below. Find the mean.

Wage (in rupees)	316	317	330	370	399	432	446	469	479
No. of labourers	6	4	1	2	3	1	1	1	1

(i) ₹363.85 (ii) ₹364.85 (iii) ₹362.90 (iv) ₹362.95 (v) ₹362.85

7. Wages of 26 labourers are given below. Find the mode.

Wage (in rupees)	301	306	367	373	381	400	405	418	423	450	451
No. of labourers	3	1	3	5	1	2	1	3	3	1	3

(i) ₹375.00 (ii) ₹371.00 (iii) ₹374.00 (iv) ₹373.00 (v) ₹372.00

8. Wages of 10 labourers are given below. Find the median.

Wage (in rupees)	307	309	338	382	481
No. of labourers	2	1	2	1	4

(i) ₹360.00 (ii) ₹358.00 (iii) ₹361.00 (iv) ₹362.00 (v) ₹359.00

9. Heights of 10 students are given below. Find the mean.

Height (in cm)	133	137	151	168	173
No. of students	2	4	1	2	1

(i) $\frac{737}{5}$ cm (ii) $\frac{738}{5}$ cm (iii) $\frac{739}{5}$ cm (iv) $\frac{747}{5}$ cm (v) $\frac{742}{5}$ cm

10. Heights of 11 students are given below. Find the mode.

Height (in cm)	129	133	135	143	150	168	173
No. of students	1	1	2	4	1	1	1

(i) 143 cm (ii) 141 cm (iii) 145 cm (iv) 144 cm (v) 142 cm

11. Heights of 20 students are given below. Find the median.

Height (in cm)	129	131	132	147	155	162	164	168	169
No. of students	1	2	3	1	1	1	6	2	3

(i) 165 cm (ii) 162 cm (iii) 166 cm (iv) 163 cm (v) 164 cm

12. Heights of 20 plants are given below. Find the mean.

Height (in cm)	54	58	66	69	74	80	87	91	98
No. of plants	1	1	2	1	3	3	3	3	3

(i) $\frac{1603}{20}$ cm (ii) $\frac{1623}{20}$ cm (iii) $\frac{401}{5}$ cm (iv) $\frac{1643}{20}$ cm (v) $\frac{321}{4}$ cm

13. Heights of 21 plants are given below. Find the mode.

Height (in cm)	53	60	66	69	74	82	84	89	94
No. of plants	1	6	2	1	2	4	1	2	2

(i) 58 cm (ii) 61 cm (iii) 59 cm (iv) 60 cm (v) 62 cm

14. Heights of 25 plants are given below. Find the median.

Height (in cm)	50	53	60	64	69	75	76	99
No. of plants	4	1	4	6	2	3	3	2

(i) 65 cm (ii) 62 cm (iii) 66 cm (iv) 63 cm (v) 64 cm

15. Ages of 10 students are given below. Find the mean.

Age (in years)	11	12	13	14
No. of students	3	4	1	2

(i) $\frac{71}{5}$ years (ii) $\frac{66}{5}$ years (iii) $\frac{61}{5}$ years (iv) $\frac{63}{5}$ years (v) $\frac{62}{5}$ years

16. Ages of 31 students are given below. Find the mode.

Age (in years)	10	11	12	13	14	15
No. of students	3	8	6	5	3	6

(i) 13 years (ii) 12 years (iii) 9 years (iv) 11 years (v) 10 years

17. Ages of 25 students are given below. Find the median.

Age (in years)	10	11	12	13	14	15
No. of students	6	3	3	4	4	5

(i) 13 years (ii) 12 years (iii) 11 years (iv) 14 years (v) 15 years

18. Scores of 20 students are given below. Find the mean.

Score	70	71	72	76	79	81	83	84	86
No. of students	1	1	3	2	3	1	5	2	2

(i) $\frac{801}{10}$ (ii) $\frac{396}{5}$ (iii) $\frac{811}{10}$ (iv) $\frac{793}{10}$ (v) $\frac{791}{10}$

19. Scores of 31 students are given below. Find the mode.

Score	70	71	72	75	78	83	88	89	90
No. of students	4	4	3	4	3	6	4	1	2

(i) 83 (ii) 84 (iii) 82 (iv) 85 (v) 81

20. Scores of 10 students are given below. Find the median.

Score	71	75	79	81	85	87
No. of students	1	1	1	3	2	2

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

21. Rainfall of 20 days are given below. Find the mean.

Rainfall (in mm)	5	6	7	9	10	11	12	14	15
No. of days	1	1	2	3	1	5	2	1	4

(i) $\frac{47}{4}$ mm (ii) $\frac{43}{4}$ mm (iii) $\frac{45}{4}$ mm (iv) $\frac{51}{4}$ mm (v) 11 mm

22. Rainfall of 11 days are given below. Find the mode.

Rainfall (in mm)	5	8	9	10	12	14
No. of days	1	2	2	1	1	4

(i) 13 mm (ii) 15 mm (iii) 12 mm (iv) 14 mm (v) 16 mm

23. Rainfall of 10 days are given below. Find the median.

Rainfall (in mm)	5	6	8	10	11	14
No. of days	1	3	3	1	1	1

(i) 7 mm (ii) 10 mm (iii) 9 mm (iv) 6 mm (v) 8 mm

24. Temperatures of 10 days are given below. Find the mean.

Temperature (in degree C)	25	26	28	29	31	32	33	35
No. of days	1	1	2	2	1	1	1	1

(i) $\frac{148}{5}$ °C (ii) 30 °C (iii) $\frac{149}{5}$ °C (iv) $\frac{158}{5}$ °C (v) $\frac{153}{5}$ °C

25. Temperatures of 31 days are given below. Find the mode.

Temperature (in degree C)	25	26	27	28	29	30	31	32	33	34
No. of days	1	2	2	1	8	4	4	3	3	3

(i) 28 °C (ii) 30 °C (iii) 27 °C (iv) 31 °C (v) 29 °C

26. Temperatures of 15 days are given below. Find the median.

Temperature (in degree C)	25	27	28	29	30	31	32	33	34	35
No. of days	1	2	1	1	2	1	4	1	1	1

(i) 32 °C (ii) 29 °C (iii) 30 °C (iv) 31 °C (v) 33 °C

27. Weights of 10 students are given below. Find the mean.

Weight (in kg)	42	45	47	48	51	52
No. of students	2	1	1	4	1	1

(i) $\frac{481}{10}$ kg (ii) $\frac{236}{5}$ kg (iii) $\frac{473}{10}$ kg (iv) $\frac{491}{10}$ kg (v) $\frac{471}{10}$ kg

28. Weights of 16 students are given below. Find the mode.

Weight (in kg)	46	48	50	51	54	55	59
No. of students	1	1	2	2	6	2	2

(i) 53 kg (ii) 56 kg (iii) 55 kg (iv) 54 kg (v) 52 kg

29. Weights of 25 students are given below. Find the median.

Weight (in kg)	40	44	45	46	51	52	53	55
No. of students	3	4	3	6	1	4	1	3

(i) 46 kg (ii) 48 kg (iii) 45 kg (iv) 44 kg (v) 47 kg

30. Wages of 10 labourers are given below. Find the mean.

Wage (in rupees)	324	335	363	366	417	480
No. of labourers	2	2	1	2	1	2

(i) ₹380.00 (ii) ₹379.00 (iii) ₹381.00 (iv) ₹377.00 (v) ₹378.00

31. Wages of 31 labourers are given below. Find the mode.

Wage (in rupees)	315	329	330	348	355	369	383	414	421
No. of labourers	3	6	4	3	3	3	3	4	2

(i) ₹329.00 (ii) ₹330.00 (iii) ₹327.00 (iv) ₹328.00 (v) ₹331.00

32. Wages of 30 labourers are given below. Find the median.

Wage (in rupees)	327	378	397	407	475	491	499
No. of labourers	1	6	4	7	4	3	5

(i) ₹407.00 (ii) ₹409.00 (iii) ₹406.00 (iv) ₹408.00 (v) ₹405.00

Assignment Key

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

Copyright © Small Systems Computing Pvt. Ltd.