EduSahara™ Assignment

Name : Mode of Grouped Data

Chapter : Statistics

Grade : CBSE Grade X

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

Height (in cm)	134	138	144	150	152	159	169	170
No. of students	4	4	1	1	1	7	4	4

(i) 157 cm (ii) 159 cm (iii) 160 cm (iv) 161 cm (v) 158 cm

2. Heights of 26 plants are given below. Find the mode.

Height (in cm)	53	57	58	62	71	72	79	85	87	92	97
No. of plants	2	5	3	1	3	1	4	2	2	2	1

(i) 57 cm (ii) 56 cm (iii) 58 cm (iv) 55 cm (v) 59 cm

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

Age (in years)	10	11	12	13	14	15
No. of students	1	1	2	2	3	7

(i) 16 years (ii) 14 years (iii) 15 years (iv) 17 years (v) 13 years

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

Score	77	81	84	86	88
No. of students	3	3	5	2	3

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

5. Rainfall of 21 days are given below. Find the mode.

Rainfall (in mm)	6	7	9	11	12	13	14	15
No. of days	1	6	1	4	3	2	1	3

(i) 5 mm (ii) 7 mm (iii) 9 mm (iv) 6 mm (v) 8 mm

6. Temperatures of 21 days are given below. Find the mode.

Temperature (in degree C)	25	26	27	28	29	31	32	33	34	35
No. of days	5	3	1	3	1	1	1	2	3	1

(i) 26 °C (ii) 24 °C (iii) 27 °C (iv) 23 °C (v) 25 °C

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

Weight (in kg)	41	42	46	49	51	53	57
No. of students	2	1	3	2	2	5	1

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

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

Wage (in rupees)	323	341	342	345	398	421	439	493
No. of labourers	5	3	3	3	7	4	3	3

(i) ₹396.00 (ii) ₹400.00 (iii) ₹397.00 (iv) ₹399.00 (v) ₹398.00

9. The following table shows the weights of 55 persons in a group. Find the mode weight.

Weight (in kg)	10 - 18	19 - 27	28 - 36	37 - 45	46 - 54
No. of persons	8	9	7	13	18

(i) $\frac{95}{2}$ kg (ii) $\frac{2183}{46}$ kg (iii) $\frac{2229}{46}$ kg (iv) $\frac{2275}{46}$ kg (v) $\frac{1092}{23}$ kg

10. The following table shows the weights of 130 persons in a group. Find the mode weight.

Weight (in kg)	30 - 36	36 - 42	42 - 48	48 - 54	54 - 60	60 - 66	66 - 72	72 - 78
No. of persons	15	18	19	18	18	15	15	12

(i) 45 kg (ii) 47 kg (iii) 43 kg (iv) 46 kg (v) 44 kg

11. The daily wages of 95 workers in a factory are given below. Find the mode wage.

Wage (in rupees)	20 - 25	26 - 31	32 - 37	38 - 43	44 - 49	50 - 55	56 - 61
No. of workers	8	16	11	6	24	12	18

(i) ₹47.10 (ii) ₹48.10 (iii) ₹47.30 (iv) ₹49.10 (v) ₹47.20

12. The daily wages of 138 workers in a factory are given below. Find the mode wage.

Wage (in rupees)	20 - 27	27 - 34	34 - 41	41 - 48	48 - 55	55 - 62	62 - 69
No. of workers	26	29	6	26	15	29	7

(i) ₹29.81 (ii) ₹27.81 (iii) ₹28.81 (iv) ₹27.88 (v) ₹27.85

13. A frequency distribution table is given below. Find the mode .

Class-Interval	3 - 13	14 - 24	25 - 35	36 - 46	47 - 57	58 - 68	69 - 79	80 - 90
Frequency	22	5	36	21	10	44	39	13

(i) $\frac{5389}{78}$ (ii) $\frac{5233}{78}$ (iii) $\frac{5311}{78}$ (iv) $\frac{2617}{39}$ (v) $\frac{1745}{26}$

14. A frequency distribution table is given below. Find the mode .

Class-Interval	5 - 11	11 - 17	17 - 23	23 - 29	29 - 35
Frequency	40	28	7	27	39

(i) $\frac{127}{13}$ (ii) $\frac{151}{13}$ (iii) $\frac{138}{13}$ (iv) $\frac{126}{13}$ (v) $\frac{125}{13}$

15. The following frequency distribution table gives the monthly consumption of electricity of 98 consumers in a locality. Find the mode units.

Monthly consumption (in units)	48 - 58	58 - 68	68 - 78	78 - 88	88 - 98	98 - 108	108 - 118
No. of consumers	14	6	7	13	12	24	22

(i) $\frac{760}{7}$ units (ii) $\frac{753}{7}$ units (iii) $\frac{748}{7}$ units (iv) $\frac{747}{7}$ units (v) $\frac{746}{7}$ units

Assignment Key

1) (ii)	2) (i)	3) (iii)	4) (iii)	5) (ii)	6) (v)
7) (iv)	8) (v)	9) (ii)	10) (i)	11) (i)	12) (ii)
13) (ii)	14) (v)	15) (v)			

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