EduSahara™ Assignment

Name : Mode of Grouped Data

Chapter : Statistics

Grade : CBSE Grade X

1. Heights of 21 students are given below. Find the mode.

Height (in cm)	132	141	142	148	151	155	159	161	162	166
No. of students	2	4	1	2	1	3	1	3	2	2

(i) 140 cm (ii) 139 cm (iii) 143 cm (iv) 142 cm (v) 141 cm

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

Height (in cm)	54	62	64	79	83	87	93	95
No. of plants	6	3	2	3	3	4	2	3

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

3. Ages of 11 students are given below. Find the mode.

Age (in years)	10	11	12	14	15
No. of students	2	4	1	2	2

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

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

Score	70	73	74	79	81	85	88	89
No. of students	1	1	2	6	2	2	1	1

(i) 77 (ii) 81 (iii) 80 (iv) 78 (v) 79

5. Rainfall of 31 days are given below. Find the mode.

Rainfall (in mm)	5	6	8	9	10	11	13	14	15
No. of days	3	2	6	4	4	2	2	3	5

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

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

Temperature (in degree C)	25	26	27	28	29	30	31	32	33	34	35
No. of days	7	3	2	2	2	1	3	3	3	3	2

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

7. Weights of 11 students are given below. Find the mode.

Weight (in kg)	40	46	47	50	52
No. of students	6	1	1	2	1

(i) 42 kg (ii) 40 kg (iii) 41 kg (iv) 38 kg (v) 39 kg

8. Wages of 11 labourers are given below. Find the mode.

Wage (in rupees)	343	368	385	426	446	494
No. of labourers	1	2	1	1	5	1

(i) ₹447.00 (ii) ₹444.00 (iii) ₹445.00 (iv) ₹446.00 (v) ₹448.00

9. The following table shows the weights of 89 persons in a group. Find the mode weight.

Weight (in kg)	40 - 49	50 - 59	60 - 69	70 - 79	80 - 89	90 - 99
No. of persons	18	11	17	18	7	18

(i) $\frac{477}{10}$ kg (ii) $\frac{467}{10}$ kg (iii) $\frac{487}{10}$ kg (iv) $\frac{469}{10}$ kg (v) $\frac{234}{5}$ kg

10. The following table shows the weights of 53 persons in a group. Find the mode weight.

Weight (in kg)	20 - 30	30 - 40	40 - 50	50 - 60	60 - 70
No. of persons	8	7	12	14	12

(i) 55 kg (ii) 53 kg (iii) 54 kg (iv) 57 kg (v) 56 kg

11. The daily wages of 67 workers in a factory are given below. Find the mode wage.

Wage (in rupees)	20 - 27	28 - 35	36 - 43	44 - 51	52 - 59
No. of workers	20	12	14	6	15

(i) ₹27.21 (ii) ₹26.21 (iii) ₹25.29 (iv) ₹25.21 (v) ₹25.36

12. The daily wages of 145 workers in a factory are given below. Find the mode wage.

Wage (in rupees)	30 - 36	36 - 42	42 - 48	48 - 54	54 - 60	60 - 66	66 - 72
No. of workers	29	29	5	21	7	26	28

(i) ₹37.00 (ii) ₹36.00 (iii) ₹34.00 (iv) ₹35.00 (v) ₹38.00

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

Class-Interval	19 - 24	25 - 30	31 - 36	37 - 42	43 - 48	49 - 54	55 - 60	61 - 66
Frequency	8	1	28	38	32	27	15	43

(i) $\frac{4464}{71}$ (ii) $\frac{8927}{142}$ (iii) $\frac{9211}{142}$ (iv) $\frac{8929}{142}$ (v) $\frac{9069}{142}$

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

Class-Interval	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	45 - 50	50 - 55
Frequency	35	30	36	40	25	5	46	1

(i) $\frac{4247}{86}$ (ii) $\frac{4075}{86}$ (iii) $\frac{4161}{86}$ (iv) $\frac{4077}{86}$ (v) $\frac{2038}{43}$

15. The following frequency distribution table gives the monthly consumption of electricity of 95 consumers in a locality. Find the mode units.

Monthly consumption (in units)	40 - 60	60 - 80	80 - 100	100 - 120	120 - 140
No. of consumers	23	25	18	6	23

(i) $\frac{589}{9}$ units (ii) $\frac{598}{9}$ units (iii) $\frac{194}{3}$ units (iv) $\frac{581}{9}$ units (v) $\frac{580}{9}$ units

Assignment Key

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