EduSahara™ Assignment

Name : Mode of Grouped Data

Chapter : Statistics

Grade : CBSE Grade X

License : Non Commercial Use

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

Height (in cm)	126	130	134	149	151	163	173
No. of students	5	3	7	3	2	2	4

(i) 134 cm (ii) 135 cm (iii) 136 cm (iv) 132 cm (v) 133 cm

2. Heights of 31 plants are given below. Find the mode.

Height (in cm)	52	55	68	69	77	79	85	87	96	97	100
No. of plants	6	1	3	4	2	3	3	2	2	3	2

(i) 50 cm (ii) 52 cm (iii) 54 cm (iv) 53 cm (v) 51 cm

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

Age (in years)	10	11	12	13	14	15
No. of students	8	5	5	4	6	3

(i) 12 years (ii) 9 years (iii) 10 years (iv) 8 years (v) 11 years

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

Score	70	73	77	78	79	80	81	86	87	89
No. of students	4	2	6	3	2	4	2	2	1	5

(i) 76 (ii) 77 (iii) 79 (iv) 75 (v) 78

5. Rainfall of 26 days are given below. Find the mode.

Rainfall (in mm)	5	6	7	8	9	10	11	12	13
No. of days	2	2	2	5	3	4	1	3	4

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

6. Temperatures of 26 days are given below. Find the mode.

Temperature (in degree C)	25	26	27	30	31	32	33	34	35
No. of days	5	1	1	4	4	4	3	2	2

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

7. Weights of 31 students are given below. Find the mode.

Weight (in kg)	42	43	45	48	50	52	53	54	55	56	57	59
No. of students	1	3	2	2	5	4	3	2	2	1	3	3

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

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

Wage (in rupees)	319	332	340	356	380	411	427	468
No. of labourers	1	3	1	1	1	1	1	2

(i) ₹334.00 (ii) ₹331.00 (iii) ₹332.00 (iv) ₹333.00 (v) ₹330.00

9. The following table shows the weights of 62 persons in a group. Find the mode weight.

Weight (in kg)	10 - 17	18 - 25	26 - 33	34 - 41	42 - 49
No. of persons	10	18	7	8	19

(i) $\frac{667}{15}$ kg (ii) $\frac{89}{2}$ kg (iii) $\frac{1363}{30}$ kg (iv) $\frac{1333}{30}$ kg (v) $\frac{1393}{30}$ kg

10. The following table shows the weights of 104 persons in a group. Find the mode weight.

Weight (in kg)	20 - 29	29 - 38	38 - 47	47 - 56	56 - 65	65 - 74	74 - 83	83 - 92
No. of persons	18	16	7	6	14	13	20	10

(i) $\frac{1355}{17}$ kg (ii) $\frac{1321}{17}$ kg (iii) $\frac{1323}{17}$ kg (iv) $\frac{1338}{17}$ kg (v) $\frac{1322}{17}$ kg

11. The daily wages of 119 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
No. of workers	26	19	23	5	19	27

(i) ₹50.89 (ii) ₹50.87 (iii) ₹51.87 (iv) ₹50.90 (v) ₹52.87

12. The daily wages of 122 workers in a factory are given below. Find the mode wage.

Wage (in rupees)	30 - 39	39 - 48	48 - 57	57 - 66	66 - 75
No. of workers	10	30	30	27	25

(i) ₹50.00 (ii) ₹47.00 (iii) ₹46.00 (iv) ₹48.00 (v) ₹49.00

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

Class-Interval	1 - 7	8 - 14	15 - 21	22 - 28	29 - 35	36 - 42
Frequency	48	36	2	15	49	24

(i) $\frac{4075}{118}$ (ii) $\frac{1920}{59}$ (iii) $\frac{3841}{118}$ (iv) $\frac{3839}{118}$ (v) $\frac{3957}{118}$

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

Class-Interval	12 - 18	18 - 24	24 - 30	30 - 36	36 - 42	42 - 48
Frequency	50	40	11	33	38	44

(i) 18 (ii) 15 (iii) 16 (iv) 19 (v) 17

15. The following frequency distribution table gives the monthly consumption of electricity of 52 consumers in a locality. Find the mode units.

Monthly consumption (in units)	50 - 60	60 - 70	70 - 80	80 - 90	90 - 100
No. of consumers	7	20	14	5	6

(i) $\frac{1270}{19}$ units (ii) $\frac{1289}{19}$ units (iii) $\frac{1271}{19}$ units (iv) $\frac{1308}{19}$ units (v) $\frac{1272}{19}$ units

Assignment Key

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