EduSahara™ Assignment

Name : Median

Chapter : Frequency Distribution Tables and Graphs

Grade : SSC Grade VIII

1. Find the median of all prime numbers between 30 and 60.

   (i) 42 (ii) 41 (iii) 43 (iv) 46 (v) 44

2. Find the median of all the factors of 40.

   (i) $\frac{11}{2}$ (ii) $\frac{25}{4}$ (iii) $\frac{15}{2}$ (iv) 7 (v) $\frac{13}{2}$

3. Find the median of first 8 whole numbers.

   (i) $\frac{13}{4}$ (ii) $\frac{5}{2}$ (iii) $\frac{9}{2}$ (iv) 4 (v) $\frac{7}{2}$

4. Find the median of all the factors of 10.

   (i) 4 (ii) $\frac{5}{2}$ (iii) $\frac{7}{2}$ (iv) $\frac{13}{4}$ (v) $\frac{9}{2}$

5. Find the median of the first 15 odd numbers.

   (i) 14 (ii) 15 (iii) 18 (iv) 12 (v) 16

6. Find the median of the first 20 even numbers.

   (i) 23 (ii) 21 (iii) 19 (iv) 22 (v) 20

7. The marks obtained by 15 students in a test are given below. Find their median marks.
   21 3 14 30 19 4 42 14 17 44 32 4 50 26 22

   (i) 24 (ii) 21 (iii) 22 (iv) 19 (v) 20

8. Heights of 15 students (in cm) are given below. Find the median height.
   168 160 136 139 128 133 155 166 172 141 147 139 159 168 157

   (i) 153 cm (ii) 155 cm (iii) 154 cm (iv) 156 cm (v) 157 cm

9. Heights of 15 plants (in cm) are given below. Find the median height.
   59 96 81 54 97 83 73 90 92 54 50 96 98 81 79

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

10. Ages of 12 students (in years) are given below. Find the median age.
    12 14 12 10 15 13 15 12 11 10 10 11

    (i) 10 years (ii) 14 years (iii) 11 years (iv) 12 years (v) 13 years

11. Rainfall of 15 days (in mm) are given below. Find the median rainfall.
    14 7 11 12 12 10 9 9 6 9 10 9 8 9 13

    (i) 9 mm (ii) 7 mm (iii) 8 mm (iv) 10 mm (v) 11 mm

12. Scores of 10 students are given below. Find the median score.
83 88 80 73 87 75 90 84 80 74

(i) 82 (ii) $\frac{167}{2}$ (iii) $\frac{163}{2}$ (iv) $\frac{165}{2}$

13. Temperatures of 12 days (in °C) are given below. Find the median temperature.
31 32 27 32 26 32 29 27 32 32 29 30

(i) $\frac{65}{2}$ °C (ii) $\frac{61}{2}$ °C (iii) $\frac{63}{2}$ °C (iv) 31 °C

14. Weights of 10 students (in kg) are given below. Find the median weight.
52 59 41 41 55 54 53 43 59 45

(i) 53 kg (ii) $\frac{109}{2}$ kg (iii) $\frac{105}{2}$ kg (iv) $\frac{107}{2}$ kg

15. Daily wages of 10 labourers (in ₹) are given below. Find the median wage.
416 385 362 307 493 392 327 429 330 354

(i) ₹374.00 (ii) ₹375.50 (iii) ₹374.50 (iv) ₹373.50

16. The scores obtained by 14 students in a test are given below. Find the median.
7 12 19 5 12 13 17 20 2 13 4 8 20 10

(i) 18 (ii) 12 (iii) $11\frac{4}{7}$ (iv) 2 (v) 20

17. The observations of an ungrouped data are $x_1, x_2, 2x_1$ and $x_1 < x_2 < 2x_1$.
If the mean and median of the data are equal to 30,
find the observations of the data

(i) 40, 30, 80 (ii) 20, 30, 40 (iii) 21, 30, 42 (iv) 24, 30, 44

18. The observations of an ungrouped data are x_1, x_2, x_3 and $x_1 < x_2 < x_3$.
If the mean and median of the data are 18 and 12 respectively and $x_3 - x_1 = 30$,
find x_1, x_2, x_3

(i) 12, 12, 72 (ii) 8, 12, 38 (iii) 6, 12, 36 (iv) 10, 12, 40

Assignment Key

1) (iii)	2) (v)	3) (v)	4) (iii)	5) (ii)	6) (ii)
7) (ii)	8) (ii)	9) (ii)	10) (iv)	11) (i)	12) (iii)
13) (ii)	14) (iii)	15) (iv)	16) (ii)	17) (ii)	18) (iii)