EduSahara™ Assignment

Name : Median

Chapter : Frequency Distribution Tables and Graphs

Grade : SSC Grade VIII

1. Find the median of all prime numbers between 50 and 70.

   (i) 59 (ii) 61 (iii) 63 (iv) 58 (v) 60

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

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

3. Find the median of first 6 whole numbers.

   (i) $\frac{5}{2}$ (ii) 3 (iii) $\frac{9}{4}$ (iv) $\frac{3}{2}$ (v) $\frac{7}{2}$

4. Find the median of all the factors of 20.

   (i) $\frac{9}{2}$ (ii) $\frac{17}{4}$ (iii) 5 (iv) $\frac{11}{2}$ (v) $\frac{7}{2}$

5. Find the median of the first 20 odd numbers.

   (i) 20 (ii) 21 (iii) 23 (iv) 18 (v) 19

6. Find the median of the first 10 even numbers.

   (i) 9 (ii) 11 (iii) 14 (iv) 10 (v) 12

7. The marks obtained by 13 students in a test are given below. Find their median marks.
   23 16 2 30 21 38 14 47 32 27 50 44 25

   (i) 24 (ii) 30 (iii) 27 (iv) 28 (v) 26

8. Heights of 15 students (in cm) are given below. Find the median height.
   154 171 127 174 148 136 174 136 172 161 170 164 151 161 159

   (i) 163 cm (ii) 160 cm (iii) 161 cm (iv) 162 cm (v) 159 cm

9. Heights of 13 plants (in cm) are given below. Find the median height.
   51 57 67 88 82 77 89 63 85 100 88 54 60

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

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

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

11. Rainfall of 15 days (in mm) are given below. Find the median rainfall.
    9 9 6 6 5 7 9 14 6 9 11 7 12 9 8

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

12. Scores of 15 students are given below. Find the median score.
88 80 74 70 89 89 72 76 81 83 81 84 79 89 71

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

13. Temperatures of 14 days (in °C) are given below. Find the median temperature.
29 26 25 35 26 30 26 28 30 28 29 28 26 29

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

14. Weights of 14 students (in kg) are given below. Find the median weight.
57 46 41 47 57 58 40 40 43 42 57 43 44 58

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

15. Daily wages of 14 labourers (in ₹) are given below. Find the median wage.
477 363 424 379 429 428 399 334 391 383 459 317 423 371

(i) ₹397.00 (ii) ₹394.00 (iii) ₹396.00 (iv) ₹393.00 (v) ₹395.00

16. The scores obtained by 11 students in a test are given below. Find the median.
20 18 10 13 20 19 18 19 19 18 16

(i) 0 (ii) $17\frac{3}{11}$ (iii) 20 (iv) 18 (v) 10

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 21,
find the observations of the data

(i) 14, 21, 28 (ii) 18, 21, 32 (iii) 15, 21, 30 (iv) 28, 21, 56

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 30 and 20 respectively and $x_3 - x_1 = 50$,
find x_1, x_2, x_3

(i) 12, 20, 62 (ii) 10, 20, 60 (iii) 20, 20, 120 (iv) 14, 20, 64

Assignment Key

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