EduSahara™ Assignment

Name : Median

Chapter : Frequency Distribution Tables and Graphs

Grade : SSC Grade VIII



1. Find the median of all prime numbers between 40 and 70.

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

2. Find the median of all the factors of 30.

   (i) $\frac{21}{4}$ (ii) 6 (iii) $\frac{11}{2}$ (iv) $\frac{13}{2}$ (v) $\frac{9}{2}$

3. Find the median of first 6 whole numbers.

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

4. Find the median of all the factors of 30.

   (i) $\frac{11}{2}$ (ii) $\frac{9}{2}$ (iii) $\frac{21}{4}$ (iv) $\frac{13}{2}$ (v) 6

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

   (i) 16 (ii) 12 (iii) 15 (iv) 17 (v) 14

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

   (i) 12 (ii) 8 (iii) 13 (iv) 11 (v) 10

7. The marks obtained by 14 students in a test are given below. Find their median marks.
   1 22 1 46 42 9 39 42 18 4 26 22 27 19

   (i) 20 (ii) 21 (iii) 24 (iv) 23 (v) 22

8. Heights of 14 students (in cm) are given below. Find the median height.
   144 175 160 126 166 151 154 157 125 156 174 167 169 136

   (i) $\frac{317}{2}$ cm (ii) $\frac{315}{2}$ cm (iii) $\frac{313}{2}$ cm (iv) 157 cm

9. Heights of 13 plants (in cm) are given below. Find the median height.
   71 84 52 80 53 54 93 86 99 92 70 79 51

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

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

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

11. Rainfall of 13 days (in mm) are given below. Find the median rainfall.
    11 5 12 5 13 8 15 6 9 5 8 14 6

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

12. Scores of 11 students are given below. Find the median score.
70 87 82 77 83 73 84 71 89 71 75

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

13. Temperatures of 11 days (in °C) are given below. Find the median temperature.
33 35 34 26 28 31 32 29 31 25 31

(i) 30 °C (ii) 32 °C (iii) 31 °C (iv) 29 °C (v) 33 °C

14. Weights of 12 students (in kg) are given below. Find the median weight.
57 48 41 46 42 59 58 57 45 44 60 49

(i) $\frac{101}{2}$ kg (ii) $\frac{99}{2}$ kg (iii) $\frac{97}{2}$ kg (iv) 49 kg

15. Daily wages of 13 labourers (in ₹) are given below. Find the median wage.
441 308 304 311 392 361 486 434 347 443 355 349 377

(i) ₹363.00 (ii) ₹361.00 (iii) ₹360.00 (iv) ₹359.00 (v) ₹362.00

16. The scores obtained by 8 students in a test are given below. Find the median. 7 7 19 1 5 14 3 20

(i) 1 (ii) 19 (iii) 7 (iv) 20 (v) $9\frac{1}{2}$

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 27,
find the observations of the data

(i) 18, 27, 36 (ii) 36, 27, 72 (iii) 22, 27, 40 (iv) 19, 27, 38

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 6 and 4 respectively and $x_3 - x_1 = 10$,
find $x_1, x_2, x_3$

(i) 2, 4, 12 (ii) 4, 4, 24 (iii) 4, 4, 14 (iv) 6, 4, 16

## Assignment Key

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