EduSahara™ Assignment

Name : Median of Raw Data

Chapter : Statistics

Grade : CBSE Grade IX

1. Find the median of all prime numbers between 40 and 80.

   (i) 60 (ii) 59 (iii) 62 (iv) 57 (v) 61

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

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

3. Find the median of first 6 whole numbers.

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

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

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

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

   (i) 14 (ii) 18 (iii) 16 (iv) 13 (v) 15

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

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

7. The marks obtained by 14 students in a test are given below. Find their median marks.
   38 18 27 47 46 3 28 45 38 22 10 44 39 15

   (i) 34 (ii) 32 (iii) 33 (iv) 30 (v) 36

8. Heights of 15 students (in cm) are given below. Find the median height.
   151 136 168 161 149 136 169 144 151 168 136 164 161 159 157

   (i) 155 cm (ii) 158 cm (iii) 156 cm (iv) 157 cm (v) 159 cm

9. Heights of 10 plants (in cm) are given below. Find the median height.
   51 91 99 71 82 56 59 76 56 83

   (i) $\frac{149}{2}$ cm (ii) $\frac{147}{2}$ cm (iii) $\frac{151}{2}$ cm (iv) 74 cm

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

    (i) 13 years (ii) 12 years (iii) 14 years (iv) 15 years (v) 16 years

11. Rainfall of 14 days (in mm) are given below. Find the median rainfall.
    13 15 5 8 15 9 13 11 9 6 13 7 7 5

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

12. Scores of 13 students are given below. Find the median score.
70 76 76 89 81 82 77 84 78 71 75 70 79

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

13. Temperatures of 14 days (in °C) are given below. Find the median temperature.
31 26 33 32 33 28 31 28 28 30 25 27 29 34

(i) $\frac{61}{2}$ °C (ii) $\frac{59}{2}$ °C (iii) $\frac{63}{2}$ °C (iv) 30 °C

14. Weights of 11 students (in kg) are given below. Find the median weight.
49 53 60 56 55 45 55 45 50 52 51

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

15. Daily wages of 13 labourers (in ₹) are given below. Find the median wage.
444 305 396 477 328 488 396 336 420 389 486 430 363

(i) ₹396.00 (ii) ₹398.00 (iii) ₹394.00 (iv) ₹397.00 (v) ₹395.00

16. Given an even number of random samples with the middle two samples as $x + 22$ and $x + 30$ and the median as 32,
find the value of x.

(i) 7 (ii) 4 (iii) 6 (iv) 5 (v) 9

17. The scores obtained by 8 students in a test are given below. Find the median. 10 8 9 16 6 9 4 9

(i) 9 (ii) 4 (iii) $8\frac{7}{8}$ (iv) 12 (v) 16

18. 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) $19, 27, 38$ (iv) $22, 27, 40$

19. 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 60 and 40 respectively and $x_3 - x_1 = 100$,
find x_1, x_2, x_3

(i) $40, 40, 240$ (ii) $24, 40, 124$ (iii) $20, 40, 120$ (iv) $22, 40, 122$

Assignment Key

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