EduSahara™ Assignment

Name : Median of Raw Data

Chapter : Statistics

Grade : SSC Grade IX

1. The scores obtained by 6 students in a test are given below. Find the median. 17 3 18 9 10 17

   (i) 3 (ii) $13\frac{1}{2}$ (iii) 17 (iv) 18 (v) 15

2. The marks obtained by 15 students in a test are given below. Find their median marks.
   41 30 8 11 24 3 43 13 46 17 30 39 2 24 37

   (i) 22 (ii) 27 (iii) 24 (iv) 23 (v) 25

3. Heights of 15 students (in cm) are given below. Find the median height.
   171 152 156 145 165 162 128 141 153 143 142 131 125 131 143

   (i) 143 cm (ii) 141 cm (iii) 142 cm (iv) 144 cm (v) 145 cm

4. Heights of 12 plants (in cm) are given below. Find the median height.
   50 91 69 79 52 66 72 83 100 72 59 91

   (i) 70 cm (ii) 74 cm (iii) 72 cm (iv) 73 cm (v) 71 cm

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

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

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

   (i) $\frac{29}{2}$ mm (ii) $\frac{25}{2}$ mm (iii) $\frac{27}{2}$ mm (iv) 13 mm

7. Scores of 11 students are given below. Find the median score.
   76 79 89 72 76 84 87 80 86 71 78

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

8. Temperatures of 10 days (in °C) are given below. Find the median temperature.
   34 27 34 30 27 31 25 26 28 30

   (i) 27 °C (ii) 31 °C (iii) 28 °C (iv) 30 °C (v) 29 °C

9. Weights of 10 students (in kg) are given below. Find the median weight.
   58 56 44 55 55 53 57 40 57 49

   (i) 53 kg (ii) 57 kg (iii) 54 kg (iv) 56 kg (v) 55 kg

10. Daily wages of 10 labourers (in ₹) are given below. Find the median wage.
    460 336 352 342 442 420 392 378 491 480

    (i) ₹405.00 (ii) ₹406.00 (iii) ₹404.00 (iv) ₹407.00 (v) ₹408.00

11. Find the median of all prime numbers between 20 and 80.

(i) 50 (ii) 53 (iii) 51 (iv) 48 (v) 49

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

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

13. Find the median of first 7 whole numbers.

(i) 3 (ii) 1 (iii) 6 (iv) 4 (v) 2

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

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

15. Find the median of the first 10 odd numbers.

(i) 9 (ii) 12 (iii) 11 (iv) 7 (v) 10

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

(i) 13 (ii) 11 (iii) 12 (iv) 9 (v) 10

17. Given an even number of random samples with the middle two samples as $x+8$ and $x+12$ and the median as 20, find the value of x.

(i) 12 (ii) 11 (iii) 10 (iv) 9 (v) 7

18. Given an even number of random samples with the middle two samples as $x+28$ and $x+30$ and the median as 34, find the value of x.

(i) 6 (ii) 5 (iii) 3 (iv) 7 (v) 4

19. 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 15, find the observations of the data

(i) $11, 15, 22$ (ii) $20, 15, 40$ (iii) $14, 15, 24$ (iv) $10, 15, 20$

20. 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) $4, 4, 14$ (ii) $2, 4, 12$ (iii) $4, 4, 24$ (iv) $6, 4, 16$

Assignment Key

1) (ii)	2) (iii)	3) (i)	4) (iii)	5) (i)	6) (ii)
7) (i)	8) (v)	9) (v)	10) (ii)	11) (i)	12) (iii)
13) (i)	14) (i)	15) (v)	16) (ii)	17) (iii)	18) (ii)
19) (iv)	20) (ii)				