EduSahara™ Assignment

Name : Median of Raw Data

Chapter : Statistics

Grade : SSC Grade IX

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1. The scores obtained by 6 students in a test are given below. Find the median. 17 11 12 8 12 1

   (i) $10\frac{1}{6}$ (ii) 12 (iii) $11\frac{1}{2}$ (iv) 17 (v) 1

2. The marks obtained by 15 students in a test are given below. Find their median marks.
   36 44 9 29 13 23 11 5 39 50 36 15 40 22 18

   (i) 21 (ii) 23 (iii) 25 (iv) 24 (v) 22

3. Heights of 14 students (in cm) are given below. Find the median height.
   143 171 139 135 169 128 138 125 132 137 133 153 175 135

   (i) $\frac{277}{2}$ cm (ii) $\frac{275}{2}$ cm (iii) 138 cm (iv) $\frac{279}{2}$ cm

4. Heights of 11 plants (in cm) are given below. Find the median height.
   86 100 86 61 89 81 99 66 78 81 84

   (i) 85 cm (ii) 84 cm (iii) 83 cm (iv) 82 cm (v) 86 cm

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

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

6. Rainfall of 13 days (in mm) are given below. Find the median rainfall.
   14 12 14 5 6 6 12 15 7 10 9 12 10

   (i) 10 mm (ii) 12 mm (iii) 11 mm (iv) 8 mm (v) 9 mm

7. Scores of 14 students are given below. Find the median score.
   70 72 89 72 90 81 83 84 76 82 77 73 74 86

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

8. Temperatures of 14 days (in °C) are given below. Find the median temperature.
   29 32 31 26 35 33 35 35 28 27 27 29 26 26

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

9. Weights of 10 students (in kg) are given below. Find the median weight.
   56 40 57 55 48 56 50 49 44 43

   (i) 50 kg (ii) $\frac{101}{2}$ kg (iii) $\frac{99}{2}$ kg (iv) $\frac{103}{2}$ kg

10. Daily wages of 13 labourers (in ₹) are given below. Find the median wage.
    483 434 435 443 348 360 475 315 427 323 303 424 479

    (i) ₹428.00 (ii) ₹429.00 (iii) ₹426.00 (iv) ₹427.00 (v) ₹425.00

11. Find the median of all prime numbers between 10 and 100.

(i) 47 (ii) 44 (iii) 48 (iv) 46 (v) 50

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

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

13. Find the median of first 10 whole numbers.

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

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

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

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

(i) 23 (ii) 17 (iii) 20 (iv) 21 (v) 19

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

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

17. Given an even number of random samples with the middle two samples as $x+30$ and $x+31$ and the median as $33\frac{1}{2}$,

find the value of x.

(i) 4 (ii) 3 (iii) 0 (iv) 5 (v) 2

18. Given an even number of random samples with the middle two samples as $x+33$ and $x+35$ and the median as 36,

find the value of x.

(i) 3 (ii) 2 (iii) 1 (iv) 0 (v) 5

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 6,

find the observations of the data

(i) $4,6,8$ (ii) $8,6,16$ (iii) $5,6,10$ (iv) $8,6,12$

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 48 and 32 respectively and $x_3 - x_1 = 80$,

find x_1, x_2, x_3

(i) $20,32,100$ (ii) $32,32,192$ (iii) $16,32,96$ (iv) $18,32,98$

Assignment Key

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

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