EduSahara™ Assignment

Name : Median of Raw Data

Chapter : Mean and Median of Ungrouped Data

Grade : ICSE Grade IX

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1. The scores obtained by 14 students in a test are given below. Find the median.
16 10 17 3 8 5 9 14 10 13 13 4 14 11

(i) 3 (ii) 14 (iii) 17 (iv) $10\frac{1}{2}$ (v) 10

2. Find the median of all prime numbers between 20 and 90.

(i) 56 (ii) 57 (iii) 58 (iv) 55 (v) 53

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

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

4. Find the median of first 10 whole numbers.

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

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

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

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

(i) 16 (ii) 15 (iii) 18 (iv) 14 (v) 12

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

(i) 10 (ii) 12 (iii) 8 (iv) 14 (v) 11

8. The marks obtained by 11 students in a test are given below. Find their median marks.
18 22 45 39 29 37 27 2 13 30 41

(i) 28 (ii) 32 (iii) 30 (iv) 29 (v) 27

9. Heights of 14 students (in cm) are given below. Find the median height.
133 172 133 145 148 168 149 159 135 134 128 174 166 132

(i) $\frac{295}{2}$ cm (ii) $\frac{297}{2}$ cm (iii) 147 cm (iv) $\frac{293}{2}$ cm

10. Heights of 15 plants (in cm) are given below. Find the median height.
59 84 98 72 54 72 95 87 87 70 77 73 80 88 57

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

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

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

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

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

13. Scores of 10 students are given below. Find the median score.
83 84 85 90 75 70 70 79 76 74

(i) $\frac{155}{2}$ (ii) $\frac{159}{2}$ (iii) 78 (iv) $\frac{157}{2}$

14. Temperatures of 12 days (in °C) are given below. Find the median temperature.
34 26 34 32 28 27 28 30 35 25 32 28

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

15. Weights of 11 students (in kg) are given below. Find the median weight.
48 55 44 55 54 57 56 47 45 59 50

(i) 56 kg (ii) 53 kg (iii) 55 kg (iv) 52 kg (v) 54 kg

16. Daily wages of 15 labourers (in ₹) are given below. Find the median wage.
441 423 433 438 488 403 496 472 302 485 447 369 475 307 398

(i) ₹436.00 (ii) ₹437.00 (iii) ₹439.00 (iv) ₹440.00 (v) ₹438.00

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

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 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

19. Given an even number of random samples with the middle two samples as
$x + 31$ and $x + 33$ and the median as 36,
find the value of x.

(i) 5 (ii) 3 (iii) 4 (iv) 1 (v) 6

Assignment Key

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