

EduSahara™ Learning Center Assignment**Grade : Class IX, CBSE****Chapter : Statistics****Name : Median of Raw Data**

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

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

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

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

3. Find the median of first 9 whole numbers.

(i) 4 (ii) 5 (iii) 2 (iv) 6 (v) 3

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

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

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

(i) 7 (ii) 9 (iii) 13 (iv) 11 (v) 10

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

(i) 20 (ii) 21 (iii) 24 (iv) 18 (v) 22

The marks obtained by 11 students in a test are given below.

7. Find their median marks.

30 , 24 , 45 , 41 , 34 , 28 , 48 , 38 , 2 , 34 , 50

(i) 35 (ii) 32 (iii) 36 (iv) 33 (v) 34

Heights of 14 students (in cm) are given below. Find the median height.

8. 169 , 147 , 167 , 152 , 133 , 150 , 126 , 162 , 172 , 154 , 146 , 141 , 151 , 145

(i) $\frac{303}{2}$ cm (ii) 151 cm (iii) $\frac{301}{2}$ cm (iv) $\frac{305}{2}$ cm

Heights of 11 plants (in cm) are given below. Find the median height.

9. 86 , 67 , 71 , 56 , 77 , 91 , 55 , 94 , 84 , 70 , 67

(i) 73 cm (ii) 70 cm (iii) 71 cm (iv) 69 cm (v) 72 cm

10.

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

10 , 10 , 13 , 12 , 13 , 10 , 12 , 11 , 15 , 15

- (i) 10 years (ii) 13 years (iii) 11 years (iv) 12 years (v) 14 years
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Rainfall of 10 days (in mm) are given below. Find the median rainfall.

11. 15 , 6 , 13 , 13 , 12 , 12 , 15 , 5 , 5 , 13

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

Scores of 13 students are given below. Find the median score.

12. 70 , 75 , 77 , 86 , 75 , 86 , 77 , 70 , 70 , 90 , 80 , 89 , 75

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

Temperatures of 15 days (in °C) are given below. Find the median temperature.

13. 29 , 28 , 34 , 26 , 27 , 30 , 34 , 30 , 34 , 32 , 29 , 25 , 27 , 34 , 30

- (i) 31 °C (ii) 30 °C (iii) 32 °C (iv) 29 °C (v) 28 °C
-

Weights of 15 students (in kg) are given below. Find the median weight.

14. 46 , 46 , 41 , 40 , 58 , 59 , 50 , 55 , 49 , 43 , 41 , 45 , 44 , 57 , 40

- (i) 44 kg (ii) 48 kg (iii) 45 kg (iv) 46 kg (v) 47 kg
-

Daily wages of 14 labourers (in ₹) are given below. Find the median wage.

15. 441 , 479 , 312 , 407 , 347 , 497 , 357 , 321 , 453 , 309 , 402 , 340 , 312 , 416

- (i) ₹ 380.50 (ii) ₹ 379.50 (iii) ₹ 380.00 (iv) ₹ 381.50
-

Given an even number of random samples with the middle two samples as

16. $x + 17$ and $x + 29$ and the median as 27 ,
find the value of x.

- (i) 6 (ii) 4 (iii) 2 (iv) 5 (v) 3
-

The scores obtained by 10 students in a test are

17. 20 , 6 , 14 , 14 , 18 , 8 , 5 , 3 , 9 , 6

Find the median.

- (i) 6 (ii) 17 (iii) 3 (iv) $10\frac{3}{10}$ (v) $8\frac{1}{2}$
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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 6 ,

find the observations of the data

(i) 4, 6, 8 (ii) 5, 6, 10

(iii) 8, 6, 16 (iv) 8, 6, 12

The observations of an ungrouped data are x_1, x_2, x_3 and $x_1 < x_2 < x_3$.

19. If the mean and median of the data are 30 and 20 respectively and $x_3 - x_1 = 50$,

find x_1, x_2, x_3

(i) 12, 20, 62 (ii) 14, 20, 64

(iii) 10, 20, 60 (iv) 20, 20, 120

Assignment Key

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