EduSahara™ Assignment

Name : Median of Raw Data

Chapter : Statistics

Grade : CBSE Grade IX

1. Find the median of all prime numbers between 10 and 70.

   (i) 36 (ii) 40 (iii) 38 (iv) 37 (v) 34

2. Find the median of all the factors of 20.

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

3. Find the median of first 10 whole numbers.

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

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

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

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

   (i) 23 (ii) 21 (iii) 19 (iv) 18 (v) 20

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

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

7. The marks obtained by 11 students in a test are given below. Find their median marks.

   42 5 32 15 16 32 17 14 23 21 42

   (i) 19 (ii) 23 (iii) 22 (iv) 20 (v) 21

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

   155 141 141 162 153 163 143 131 127 160 128 165 157 144

   (i) $\frac{301}{2}$ cm (ii) $\frac{297}{2}$ cm (iii) $\frac{299}{2}$ cm (iv) 149 cm

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

   73 100 73 53 62 78 96 76 87 57 93 59 71 86

   (i) $\frac{153}{2}$ cm (ii) 75 cm (iii) $\frac{149}{2}$ cm (iv) $\frac{151}{2}$ cm

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

    14 12 10 15 15 13 12 14 10 13 10 13 15 14

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

11. Rainfall of 15 days (in mm) are given below. Find the median rainfall.

    6 12 13 15 11 7 5 8 13 9 15 14 10 12 10

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

12. Scores of 13 students are given below. Find the median score.
87 78 70 84 82 78 77 83 72 84 77 88 71

(i) 77 (ii) 80 (iii) 76 (iv) 78 (v) 79

13. Temperatures of 15 days (in °C) are given below. Find the median temperature.
31 30 27 26 33 35 33 35 26 27 26 32 29 34 32

(i) 32 °C (ii) 31 °C (iii) 33 °C (iv) 29 °C (v) 30 °C

14. Weights of 14 students (in kg) are given below. Find the median weight.
56 46 54 49 41 59 50 51 58 45 49 46 46 45

(i) 48 kg (ii) 50 kg (iii) 51 kg (iv) 49 kg (v) 47 kg

15. Daily wages of 15 labourers (in ₹) are given below. Find the median wage.
433 312 358 325 399 310 493 484 397 335 500 347 334 454 485

(i) ₹397.00 (ii) ₹398.00 (iii) ₹395.00 (iv) ₹396.00 (v) ₹399.00

16. Given an even number of random samples with the middle two samples as $x + 16$ and $x + 19$ and the median as $25\frac{1}{2}$,
find the value of x.

(i) 8 (ii) 6 (iii) 9 (iv) 11 (v) 7

17. The scores obtained by 14 students in a test are given below. Find the median.
6 11 20 17 8 9 13 2 5 17 6 5 9 20

(i) 5 (ii) 18 (iii) 9 (iv) 2 (v) $10\frac{4}{7}$

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 15,
find the observations of the data

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

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 42 and 28 respectively and $x_3 - x_1 = 70$,
find x_1, x_2, x_3

(i) 16, 28, 86 (ii) 14, 28, 84 (iii) 28, 28, 168 (iv) 18, 28, 88

Assignment Key

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