EduSahara™ Assignment

Name : Median

Chapter : Data Handling

Grade : SSC Grade VII

1. The scores obtained by 9 students in a test are given below. Find the median. 4 17 2 5 18 3 2 12 12

   (i) $8\frac{1}{3}$ (ii) 5 (iii) 2 (iv) 16 (v) 18

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

   (i) 57 (ii) 56 (iii) 54 (iv) 58 (v) 55

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

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

4. Find the median of first 10 whole numbers.

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

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

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

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

   (i) 20 (ii) 19 (iii) 24 (iv) 22 (v) 21

7. The marks obtained by 14 students in a test are given below. Find their median marks.
   3 1 12 42 33 49 9 35 11 38 19 1 12 34

   (i) $\frac{31}{2}$ (ii) $\frac{29}{2}$ (iii) $\frac{33}{2}$ (iv) $\frac{61}{4}$ (v) 16

8. Heights of 15 students (in cm) are given below. Find the median height.
   138 140 137 133 141 127 140 132 137 135 166 138 162 146 135

   (i) 137 cm (ii) 140 cm (iii) 138 cm (iv) 136 cm (v) 139 cm

9. Heights of 12 plants (in cm) are given below. Find the median height.
   56 60 62 83 61 58 53 61 56 66 98 69

   (i) 61 cm (ii) 63 cm (iii) 62 cm (iv) 60 cm (v) 59 cm

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

    (i) 12 years (ii) 10 years (iii) 13 years (iv) 11 years (v) 14 years

11. Rainfall of 12 days (in mm) are given below. Find the median rainfall.
    6 9 5 8 5 5 15 12 8 13 7 15

    (i) 10 mm (ii) 6 mm (iii) 9 mm (iv) 7 mm (v) 8 mm

12. Scores of 14 students are given below. Find the median score.
79 89 71 83 72 76 74 75 79 79 87 89 86 89

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

13. Temperatures of 15 days (in °C) are given below. Find the median temperature.
29 30 33 33 33 27 28 35 28 29 34 34 26 30 35

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

14. Weights of 15 students (in kg) are given below. Find the median weight.
41 41 60 54 44 44 60 45 59 50 47 40 44 47 52

(i) 46 kg (ii) 47 kg (iii) 48 kg (iv) 45 kg (v) 49 kg

15. Daily wages of 13 labourers (in ₹) are given below. Find the median wage.
337 408 417 376 373 479 444 415 498 393 435 340 413

(i) ₹414.00 (ii) ₹412.00 (iii) ₹415.00 (iv) ₹411.00 (v) ₹413.00

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

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

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 9,
find the observations of the data

(i) 6,9,12 (ii) 10,9,16 (iii) 12,9,24 (iv) 7,9,14

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 6 and 4 respectively and $x_3 - x_1 = 10$,
find x_1, x_2, x_3

(i) 2,4,12 (ii) 4,4,14 (iii) 4,4,24 (iv) 6,4,16

19. Given an even number of random samples with the middle two samples as
$x + 24$ and $x + 26$ and the median as 33,
find the value of x.

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

Assignment Key

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