

**EduSahara™ Learning Center Assignment****Grade : Class VIII, SSC****Chapter : Frequency Distribution Tables and Graphs****Name : Median****Licensed To : Teachers and Students for non-commercial use**

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

(i) 54 (ii) 56 (iii) 52 (iv) 53 (v) 51

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

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

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3. Find the median of first 6 whole numbers.

(i)  $\frac{7}{2}$  (ii) 3 (iii)  $\frac{3}{2}$  (iv)  $\frac{5}{2}$  (v)  $\frac{9}{4}$

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4. Find the median of all the factors of 10 .

(i)  $\frac{7}{2}$  (ii) 4 (iii)  $\frac{9}{2}$  (iv)  $\frac{5}{2}$  (v)  $\frac{13}{4}$

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

(i) 13 (ii) 17 (iii) 16 (iv) 14 (v) 15

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

(i) 16 (ii) 15 (iii) 13 (iv) 18 (v) 17

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

7. Find their median marks.

44 , 32 , 6 , 29 , 10 , 44 , 1 , 42 , 3 , 33 , 39

(i) 32 (ii) 34 (iii) 33 (iv) 30 (v) 31

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8. Heights of 10 students (in cm) are given below. Find the median height.

153 , 154 , 175 , 130 , 136 , 160 , 134 , 142 , 154 , 136

- (i)  $\frac{297}{2}$  cm (ii) 148 cm (iii)  $\frac{295}{2}$  cm (iv)  $\frac{299}{2}$  cm
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Heights of 11 plants (in cm) are given below. Find the median height.

9. 60 , 63 , 93 , 69 , 61 , 60 , 64 , 79 , 69 , 71 , 71

- (i) 67 cm (ii) 68 cm (iii) 70 cm (iv) 71 cm (v) 69 cm
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Ages of 15 students (in years) are given below. Find the median age.

10. 10 , 15 , 14 , 15 , 10 , 12 , 14 , 15 , 12 , 15 , 10 , 14 , 12 , 15 , 12

- (i) 14 years (ii) 13 years (iii) 16 years (iv) 15 years (v) 12 years
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Rainfall of 12 days (in mm) are given below. Find the median rainfall.

11. 8 , 12 , 11 , 9 , 13 , 6 , 15 , 13 , 6 , 10 , 8 , 9

- (i) 10 mm (ii)  $\frac{23}{2}$  mm (iii)  $\frac{19}{2}$  mm (iv)  $\frac{21}{2}$  mm
- 

Scores of 12 students are given below. Find the median score.

12. 89 , 71 , 77 , 78 , 83 , 71 , 75 , 81 , 72 , 72 , 90 , 89

- (i)  $\frac{155}{2}$  (ii)  $\frac{157}{2}$  (iii) 78 (iv)  $\frac{159}{2}$
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Temperatures of 15 days (in °C) are given below. Find the median temperature.

13. 32 , 30 , 31 , 35 , 28 , 28 , 28 , 25 , 25 , 35 , 30 , 28 , 26 , 26 , 26

- (i) 26 °C (ii) 30 °C (iii) 29 °C (iv) 28 °C (v) 27 °C
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Weights of 15 students (in kg) are given below. Find the median weight.

14. 48 , 60 , 60 , 48 , 44 , 52 , 52 , 60 , 58 , 57 , 42 , 51 , 43 , 43 , 51

- (i) 50 kg (ii) 52 kg (iii) 53 kg (iv) 49 kg (v) 51 kg
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Daily wages of 11 labourers (in ₹) are given below. Find the median wage.

15. 492 , 393 , 475 , 416 , 389 , 316 , 313 , 390 , 451 , 376 , 403

(i) ₹ 395.00 (ii) ₹ 393.00 (iii) ₹ 391.00 (iv) ₹ 392.00 (v) ₹ 394.00

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The scores obtained by 11 students in a test are

16. 12, 13, 2, 17, 5, 5, 18, 19, 9, 2, 10

Find the median.

(i) 17 (ii) 2 (iii) 10 (iv)  $10\frac{2}{11}$  (v) 19

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The observations of an ungrouped data are  $x_1, x_2, 2x_1$  and  $x_1 < x_2 < 2x_1$ .

17. If the mean and median of the data are equal to 21,

find the observations of the data

(i) 14, 21, 28 (ii) 15, 21, 30

(iii) 28, 21, 56 (iv) 18, 21, 32

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

18. 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) 18, 32, 98 (iv) 16, 32, 96

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## Assignment Key

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