

Median

Sheet 1

Example 1:

Find the median of 12, 34, 8, 16, 25, 3 and 10.

Arrange the data in an increasing order.

3, 8, 10, **12**, 16, 25, 34

Middle number is 12.

Median : **12**

Example 2:

Find the median of 5, 14, 22, 35, 20, 15, 6 and 28.

Arrange the data in an increasing order.

5, 6, 14, **15**, **20**, 22, 28, 35

Middle numbers are 15 and 20.

Median : $\frac{15 + 20}{2} = \mathbf{17.5}$

Find the median for each set of numbers.

1) 23, 37, 11, 58, 13, 45

Median : _____

2) 85, 42, 64, 71, 39, 56, 26

Median : _____

3) 41, 13, 21, 83, 54, 37, 18, 66, 72

Median : _____

4) 53, 22, 76, 46, 68, 32, 15, 29

Median : _____

5) 17, 24, 8, 19, 6, 34, 10, 28, 48, 12

Median : _____

6) 60, 52, 11, 29, 46, 9, 33

Median : _____

7) The average temperatures across Washington, Texas, Oklahoma, New York, Missouri, Georgia, Hawaii and Michigan are 48°F, 65°F, 60°F, 45°F, 54°F, 64°F, 70°F and 45°F respectively. Find the median.

Median : _____

8) Jack's Science book has ten chapters. The number of pages in each chapter is given below. What is the median?

25, 11, 9, 18, 21, 24, 16, 13, 30, 12

Median : _____

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Sheet 1

Example 1:

Find the median of 12, 34, 8, 16, 25, 3 and 10.

Arrange the data in an increasing order.

3, 8, 10, **12**, 16, 25, 34

Middle number is 12.

Median : **12**Example 2:

Find the median of 5, 14, 22, 35, 20, 15, 6 and 28.

Arrange the data in an increasing order.

5, 6, 14, **15**, **20**, 22, 28, 35

Middle numbers are 15 and 20.

Median : $\frac{15 + 20}{2} = \mathbf{17.5}$

Find the median for each set of numbers.

1) 23, 37, 11, 58, 13, 45

Median : **30**

2) 85, 42, 64, 71, 39, 56, 26

Median : **56**

3) 41, 13, 21, 83, 54, 37, 18, 66, 72

Median : **41**

4) 53, 22, 76, 46, 68, 32, 15, 29

Median : **39**

5) 17, 24, 8, 19, 6, 34, 10, 28, 48, 12

Median : **18**

6) 60, 52, 11, 29, 46, 9, 33

Median : **33**

7) The average temperatures across Washington, Texas, Oklahoma, New York, Missouri, Georgia, Hawaii and Michigan are 48°F, 65°F, 60°F, 45°F, 54°F, 64°F, 70°F and 45°F respectively. Find the median.

Median : **57°F**

8) Jack's Science book has ten chapters. The number of pages in each chapter is given below. What is the median?

25, 11, 9, 18, 21, 24, 16, 13, 30, 12

Median : **17 pages**