

Quartiles

Example: Find the quartiles for the given data: 56, 6, 23, 12, 31, 17, 28, 44, 13, 61.

Solution: Arrange the data in an increasing order.

6, 12, 13, 17, 23, 28, 31, 44, 56, 61

Second quartile : $\frac{23 + 28}{2} = \mathbf{25.5}$

First quartile : **13**

Third quartile : **44**

Find the quartiles for each set of numbers.

1) 43, 26, 65, 74, 58,

First quartile : _____

rd quartile : _____

2) 24, 18, 33, 21, 42,

First quartile : _____

rd quartile : _____

3) 91, 78, 66, 84, 95,

First quartile : _____

rd quartile : _____

4) 51, 2, 23, 16, 32, 9,

First quartile : _____ Second quartile : _____ Third quartile : _____

5) An ornithologist records the weight (in ounce) of six parrot species in a bird museum. The weight of an African Grey, a Barraband Parakeet, a Gray parrot, a Red Lorie, a Dusky Lorie and a Rainbow Lorie are 15, 5, 6, 5, 4 and 17 respectively. Find the 1st, 2nd and 3rd quartiles.

First quartile : _____ Second quartile : _____ Third quartile : _____

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Quartiles

Sheet 2

Example: Find the quartiles for the given data: 56, 6, 23, 12, 31, 17, 28, 44, 13, 61.

Solution: Arrange the data in an increasing order.

6, 12, 13, 17, 23, 28, 31, 44, 56, 61

Second quartile : $\frac{23 + 28}{2} = \mathbf{25.5}$

First quartile : **13**

Third quartile : **44**

Find the quartiles for each set of numbers.

1) 43, 26, 65, 74, 58

First quartile : _____

Third quartile : 61.5

2) 24, 18, 33, 21, 42

First quartile : _____

Third quartile : 36

3) 91, 78, 66, 84, 95

First quartile : _____

Third quartile : 90

4) 51, 2, 23, 16, 32, 9

First quartile : 14

Second quartile : 21.5

Third quartile : 34

5) An ornithologist records the weight (in ounce) of six parrot species in a bird museum. The weight of an African Grey, a Barraband Parakeet, a Gray parrot, a Red Lorie, a Dusky Lorie and a Rainbow Lorie are 15, 5, 6, 5, 4 and 17 respectively. Find the 1st, 2nd and 3rd quartiles.

First quartile : 5

Second quartile : 5.5

Third quartile : 15

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