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: \( \frac{23 + 28}{2} = 25.5 \)

First quartile: 13  
Third quartile: 44

Find the quartiles for each set of numbers.

1) 43, 26, 65, 74, 58, 35, 48, 30

First quartile:  
Second quartile:  
Third quartile:  

2) 24, 18, 33, 21, 42, 36, 11

First quartile:  
Second quartile:  
Third quartile:  

3) 91, 78, 66, 84, 95, 69, 53, 71, 89

First quartile:  
Second quartile:  
Third quartile:  

4) 51, 2, 23, 16, 32, 9, 34, 14, 50, 20

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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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: \( \frac{23 + 28}{2} = 25.5 \)

First quartile: 13

Third quartile: 44

Find the quartiles for each set of numbers.

1) 43, 26, 65, 74, 58, 35, 48, 30

First quartile:  \( \) Second quartile:  \( \) Third quartile:  \( \)

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First quartile:  \( \) Second quartile:  \( \) Third quartile:  \( \)

3) 91, 78, 66, 84, 95, 69, 53, 71, 89

First quartile:  \( \) Second quartile:  \( \) Third quartile:  \( \)

4) 51, 2, 23, 16, 32, 9, 34, 14, 50, 20

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