

Name : \_\_\_\_\_

## Quartiles

Sheet 1

**Example:** Find the quartiles for the given data: 5, 32, 9, 11, 10, 15, 21, 8.

**Solution:** Arrange the data in an increasing order.

5, 8, 9, 10, 11, 15, 21, 32

$$\text{Second quartile : } \frac{10 + 11}{2} = \mathbf{10.5}$$

$$\text{First quartile : } \frac{8 + 9}{2} = \mathbf{8.5} \quad \text{Third quartile : } \frac{15 + 21}{2} = \mathbf{18}$$

Find the quartiles for each set of numbers.

1) 32, 13, 46, 28, 51,

First quartile : \_\_\_\_\_

rd quartile : \_\_\_\_\_

2) 98, 36, 82, 61, 73,

First quartile : \_\_\_\_\_

rd quartile : \_\_\_\_\_

3) 64, 7, 34, 53, 28, 4

First quartile : \_\_\_\_\_

rd quartile : \_\_\_\_\_

4) 13, 63, 29, 19, 71,

First quartile : \_\_\_\_\_    Second quartile : \_\_\_\_\_    Third quartile : \_\_\_\_\_

5) The average hibernation periods (in weeks) of Alpine Marmots, Common Poorwills, American Black Bears, Bats, Dwarf Lemurs, Box Turtles and Bumblebees were recorded by a Zoologist.

28, 15, 15, 46, 27, 21, 24

Find the first, second and third quartiles.

First quartile : \_\_\_\_\_    Second quartile : \_\_\_\_\_    Third quartile : \_\_\_\_\_

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