Name_____

Date_____ Period_____

Find the median of each dataset.

	median
1. 10, 3, 6, 5, 3, 10	
2. 12, 3, 5, 11	
3. 10, 9, 2, 11, 12, 3, 3, 5, 8, 8, 11	
4. 8, 2, 11, 7, 6, 5, 2, 8, 4, 9	
5. 12, 4, 9, 2, 5, 7, 8, 9, 12	
6. 7, 8, 7, 8, 3, 4, 11	
7. 6, 9, 3, 5, 9, 6, 9	
8. 3, 2, 7, 9, 3	
9. 4, 9, 6, 12, 10, 12, 10	
10. 3, 10, 3, 10, 11, 10	
11. 6, 10, 5, 8, 4, 12	
12. 6, 2, 10, 4, 9, 2	

Median of a Dataset

Find the median of each dataset.

	median
1. $10, 3, 6, 5, 3, 10$	5.5
2. $12, 3, 5, 11$	8
3. $10, 9, 2, 11, 12, 3, 3, 5, 8, 8, 11$	8
4. $8, 2, 11, 7, 6, 5, 2, 8, 4, 9$	6.5
5. $12, 4, 9, 2, 5, 7, 8, 9, 12$	8
6. $7, 8, 7, 8, 3, 4, 11$	7
7. $6, 9, 3, 5, 9, 6, 9$	6
8. $3, 2, 7, 9, 3$	3
9. $4, 9, 6, 12, 10, 12, 10$	10
10. $3, 10, 3, 10, 11, 10$	10
11. $6, 10, 5, 8, 4, 12$	7
12. $6, 2, 10, 4, 9, 2$	5

Name_____

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Solution Steps

1) $10, 3, 6, 5, 3, 10$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$3, 3, 5, 6, 10$ and 10

To find the median in this situation, take the average (mean) of 5 and 6

$$\frac{5 + 6}{2} = 5.5$$

The median of the set is 5.5

2) $12, 3, 5, 11$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$3, 5, 11$ and 12

To find the median in this situation, take the average (mean) of 5 and 11

$$\frac{5 + 11}{2} = 8$$

The median of the set is 8

3) $10, 9, 2, 11, 12, 3, 3, 5, 8, 8, 11$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$2, 3, 3, 5, 8, 8, 9, 10, 11, 11$ and 12

We can see that 8 is in the middle of the list. There are five numbers less than 8, and five numbers greater than 8.

The median of this set is 8

$8, 2, 11, 7, 6, 5, 2, 8, 4, 9$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$2, 2, 4, 5, 6, 7, 8, 8, 9$ and 11

To find the median in this situation, take the average (mean) of 6 and 7

$$\frac{6 + 7}{2} = 6.5$$

The median of the set is 6.5

$12, 4, 9, 2, 5, 7, 8, 9, 12$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$2, 4, 5, 7, 8, 9, 9, 12$ and 12

We can see that 8 is in the middle of the list. There are four numbers less than 8, and four numbers greater than 8.
The median of this set is 8

$7, 8, 7, 8, 3, 4, 11$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$3, 4, 7, 7, 8, 8$ and 11

We can see that 7 is in the middle of the list. There are three numbers less than 7, and three numbers greater than 7.
The median of this set is 7

$6, 9, 3, 5, 9, 6, 9$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$3, 5, 6, 6, 9, 9$ and 9

We can see that 6 is in the middle of the list. There are three numbers less than 6, and three numbers greater than 6.
The median of this set is 6

8) $3, 2, 7, 9, 3$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$2, 3, 3, 7$ and 9

We can see that 3 is in the middle of the list. There are two numbers less than 3, and two numbers greater than 3.

The median of this set is 3

9) $4, 9, 6, 12, 10, 12, 10$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$4, 6, 9, 10, 10, 12$ and 12

We can see that 10 is in the middle of the list. There are three numbers less than 10, and three numbers greater than 10.

The median of this set is 10

10) $3, 10, 3, 10, 11, 10$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$3, 3, 10, 10, 10$ and 11

To find the median in this situation, take the average (mean) of 10 and 10

$$\frac{10 + 10}{2} = 10$$

The median of the set is 10

11) $6, 10, 5, 8, 4, 12$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$4, 5, 6, 8, 10$ and 12

To find the median in this situation, take the average (mean) of 6 and 8

$$\frac{6 + 8}{2} = 7$$

The median of the set is 7

$6, 2, 10, 4, 9, 2$

Right now the numbers are out of order, so it is difficult to tell which number will be in the middle of the list. So first put the numbers in order:

$2, 2, 4, 6, 9 \text{ and } 10$

To find the median in this situation, take the average (mean) of 4 and 6

$$\frac{4 + 6}{2} = 5$$

The median of the set is 5