MathVine - Pre-Algebra

Name_____

Range of a Dataset

Date_____ Period_____

Find the range of each dataset.

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

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Find the range of each dataset.

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

Name_____

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Solution Steps

1) $6, 3, 11, 3, 10, 8, 6$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$3, 3, 6, 6, 8, 10 \text{ and } 11$

Now it is easier to see that the smallest number in the list is 3 and the largest number is 11

To find the range, subtract 3 from 11:

$11 - 3 = 8$

The range of the set is 8

2) $8, 12, 12, 6, 7, 10, 9, 4$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$4, 6, 7, 8, 9, 10, 12 \text{ and } 12$

Now it is easier to see that the smallest number in the list is 4 and the largest number is 12

To find the range, subtract 4 from 12:

$12 - 4 = 8$

The range of the set is 8

3) $8, 10, 5, 4, 9$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$4, 5, 8, 9 \text{ and } 10$

Now it is easier to see that the smallest number in the list is 4 and the largest number is 10

To find the range, subtract 4 from 10:

$10 - 4 = 6$

The range of the set is 6

4) $10, 6, 4, 6, 8, 9, 11$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$4, 6, 6, 8, 9, 10$ and 11

Now it is easier to see that the smallest number in the list is 4 and the largest number is 11

To find the range, subtract 4 from 11:

$11 - 4 = 7$

The range of the set is 7

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

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

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

Now it is easier to see that the smallest number in the list is 2 and the largest number is 12

To find the range, subtract 2 from 12:

$12 - 2 = 10$

The range of the set is 10

6) $4, 2, 9, 12, 9, 10, 9$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$2, 4, 9, 9, 9, 10$ and 12

Now it is easier to see that the smallest number in the list is 2 and the largest number is 12

To find the range, subtract 2 from 12:

$12 - 2 = 10$

The range of the set is 10

7) $6, 3, 7, 11, 7, 9, 7, 5, 11$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$3, 5, 6, 7, 7, 7, 9, 11$ and 11

Now it is easier to see that the smallest number in the list is 3 and the largest number is 11

To find the range, subtract 3 from 11:

$11 - 3 = 8$

The range of the set is 8

8) $3, 6, 7, 11, 11, 12, 3, 9, 5$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$3, 3, 5, 6, 7, 9, 11, 11$ and 12

Now it is easier to see that the smallest number in the list is 3 and the largest number is 12

To find the range, subtract 3 from 12:

$12 - 3 = 9$

The range of the set is 9

9) $7, 10, 2, 7, 4$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$2, 4, 7, 7$ and 10

Now it is easier to see that the smallest number in the list is 2 and the largest number is 10

To find the range, subtract 2 from 10:

$10 - 2 = 8$

The range of the set is 8

10) $5, 7, 3, 3, 8$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$3, 3, 5, 7$ and 8

Now it is easier to see that the smallest number in the list is 3 and the largest number is 8

To find the range, subtract 3 from 8:

$8 - 3 = 5$

The range of the set is 5

11) $7, 9, 6, 7, 8, 5, 5, 12, 12$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$5, 5, 6, 7, 7, 8, 9, 12$ and 12

Now it is easier to see that the smallest number in the list is 5 and the largest number is 12

To find the range, subtract 5 from 12:

$12 - 5 = 7$

The range of the set is 7

12) $6, 5, 12, 6, 12$

Right now the numbers are out of order, so it is difficult to tell which number is the largest or the smallest. So first put the numbers in order:

$5, 6, 6, 12$ and 12

Now it is easier to see that the smallest number in the list is 5 and the largest number is 12

To find the range, subtract 5 from 12:

$12 - 5 = 7$

The range of the set is 7