Name_____

Range of a Dataset

Date_____ Period_____

**Find the range of each dataset.**

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

Name_____

Date_____ Period_____

**Find the range of each dataset.**

| | range |
|---|---|
| | |

1. $8, 6, 12, 3, 12, 2, 6, 9$ — 10

2. $2, 5, 6, 11, 7, 6$ — 9

3. $12, 5, 10, 3, 10$ — 9

4. $7, 4, 4, 12, 10, 3$ — 9

5. $8, 9, 5, 12, 3, 12, 5$ — 9

6. $5, 2, 3, 9, 4$ — 7

7. $3, 11, 3, 12, 11$ — 9

8. $3, 2, 6, 10, 4, 5, 2$ — 8

9. $12, 3, 9, 7, 11, 9, 10$ — 9

10. $2, 6, 7, 7, 2, 5, 9, 4, 3$ — 7

11. $11, 8, 4, 5, 4$ — 7

12. $6, 10, 7, 11, 4, 10$ — 7

Name_____

Range of a Dataset

Date_____ Period_____

**Solution Steps**

1) $8, 6, 12, 3, 12, 2, 6, 9$

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:

$2, 3, 6, 6, 8, 9, 12$ 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

2) $2, 5, 6, 11, 7, 6$

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:

$2, 5, 6, 6, 7$ and $11$

Now it is easier to see that the smallest number in the list is 2 and the largest number is 11

To find the range, subtract 2 from 11:

$11 - 2 = 9$

The range of the set is 9

3) $12, 5, 10, 3, 10$

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:

$3, 5, 10, 10$ 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

**4)** $7, 4, 4, 12, 10, 3$

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:

$3, 4, 4, 7, 10$ 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


**5)** $8, 9, 5, 12, 3, 12, 5$

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:

$3, 5, 5, 8, 9, 12$ 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


**6)** $5, 2, 3, 9, 4$

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:

$2, 3, 4, 5$ and $9$

Now it is easier to see that the smallest number in the list is 2 and the largest number is 9

To find the range, subtract 2 from 9:

$9 - 2 = 7$

The range of the set is 7


**7)** $3, 11, 3, 12, 11$

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:

$3, 3, 11, 11$ 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

**8)** $3, 2, 6, 10, 4, 5, 2$

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:

$2, 2, 3, 4, 5, 6$ 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


**9)** $12, 3, 9, 7, 11, 9, 10$

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:

$3, 7, 9, 9, 10, 11$ 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


**10)** $2, 6, 7, 7, 2, 5, 9, 4, 3$

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:

$2, 2, 3, 4, 5, 6, 7, 7$ and $9$

Now it is easier to see that the smallest number in the list is 2 and the largest number is 9
To find the range, subtract 2 from 9:

$9 - 2 = 7$

The range of the set is 7


**11)** $11, 8, 4, 5, 4$

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:

$4, 4, 5, 8$ 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

$6, 10, 7, 11, 4, 10$

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:

$4, 6, 7, 10, 10 \text{ and } 11$

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