MathVine - Pre-Algebra Name_____

Mode of a Dataset Date_____ Period_____

Find the mode of each dataset.

	mode(s)
1. $9, 9, 3, 2, 6, 12$	
2. $6, 6, 2, 9, 6, 9$	
3. $8, 5, 9, 7, 8$	
4. $10, 6, 10, 9, 10, 7, 4$	
5. $12, 7, 10, 9, 8, 10, 11, 4, 8$	
6. $8, 7, 5, 9, 7$	
7. $9, 3, 9, 10, 11, 7, 7$	
8. $6, 3, 12, 7, 9, 12, 10, 5, 7$	
9. $7, 9, 2, 11, 10, 7, 11, 3, 6$	
10. $9, 5, 2, 11, 2, 8, 3$	
11. $4, 10, 6, 9, 6, 5, 11, 10$	
12. $9, 2, 9, 9, 11, 6, 10, 6, 3$	

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Mode of a Dataset Date_____ Period_____

Find the mode of each dataset.

		mode(s)
1.	$9, 9, 3, 2, 6, 12$	9
2.	$6, 6, 2, 9, 6, 9$	6
3.	$8, 5, 9, 7, 8$	8
4.	$10, 6, 10, 9, 10, 7, 4$	10
5.	$12, 7, 10, 9, 8, 10, 11, 4, 8$	8 and 10
6.	$8, 7, 5, 9, 7$	7
7.	$9, 3, 9, 10, 11, 7, 7$	7 and 9
8.	$6, 3, 12, 7, 9, 12, 10, 5, 7$	7 and 12
9.	$7, 9, 2, 11, 10, 7, 11, 3, 6$	7 and 11
10.	$9, 5, 2, 11, 2, 8, 3$	2
11.	$4, 10, 6, 9, 6, 5, 11, 10$	6 and 10
12.	$9, 2, 9, 9, 11, 6, 10, 6, 3$	9

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Solution Steps

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

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$2, 3, 6, 9, 9 \text{ and } 12$

The number that appears most often is 9, so 9 is the mode of the set

2) $6, 6, 2, 9, 6, 9$

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$2, 6, 6, 6, 9 \text{ and } 9$

The number that appears most often is 6, so 6 is the mode of the set

3) $8, 5, 9, 7, 8$

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$5, 7, 8, 8 \text{ and } 9$

The number that appears most often is 8, so 8 is the mode of the set

4) $10, 6, 10, 9, 10, 7, 4$

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$4, 6, 7, 9, 10, 10 \text{ and } 10$

The number that appears most often is 10, so 10 is the mode of the set

5) $12, 7, 10, 9, 8, 10, 11, 4, 8$

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$4, 7, 8, 8, 9, 10, 10, 11 \text{ and } 12$

The number that appears most often are $8 \text{ and } 10$. Since there is a tie, we say that the list has 2 modes: $8 \text{ and } 10$

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

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$5, 7, 7, 8 \text{ and } 9$

The number that appears most often is 7, so 7 is the mode of the set

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

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$3, 7, 7, 9, 9, 10 \text{ and } 11$

The number that appears most often are $7 \text{ and } 9$. Since there is a tie, we say that the list has 2 modes: $7 \text{ and } 9$

8) $6, 3, 12, 7, 9, 12, 10, 5, 7$

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$3, 5, 6, 7, 7, 9, 10, 12 \text{ and } 12$

The number that appears most often are $7 \text{ and } 12$. Since there is a tie, we say that the list has 2 modes: $7 \text{ and } 12$

9) $7, 9, 2, 11, 10, 7, 11, 3, 6$

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$2, 3, 6, 7, 7, 9, 10, 11 \text{ and } 11$

The number that appears most often are $7 \text{ and } 11$. Since there is a tie, we say that the list has 2 modes: $7 \text{ and } 11$

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

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$2, 2, 3, 5, 8, 9 \text{ and } 11$

The number that appears most often is 2, so 2 is the mode of the set

11) $4, 10, 6, 9, 6, 5, 11, 10$

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$4, 5, 6, 6, 9, 10, 10 \text{ and } 11$

The number that appears most often are $6 \text{ and } 10$. Since there is a tie, we say that the list has 2 modes: $6 \text{ and } 10$

12) $9, 2, 9, 9, 11, 6, 10, 6, 3$

Right now the numbers are out of order, so it is difficult to tell which number appears most often. So first put the numbers in order:
$2, 3, 6, 6, 9, 9, 9, 10 \text{ and } 11$

The number that appears most often is 9, so 9 is the mode of the set