MathVine - Pre-Algebra

Mode of a Dataset

Find the mode of each dataset.

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

Name_____

Date_____ Period_____

Find the mode of each dataset.

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

Name_____

Date_____ Period_____

Solution Steps

1) $12, 3, 7, 6, 5, 7, 6, 7$

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:

$3, 5, 6, 6, 7, 7, 7 \text{ and } 12$

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

2) $7, 8, 3, 6, 11, 11$

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:

$3, 6, 7, 8, 11 \text{ and } 11$

The number that appears most often is 11, so 11 is the mode of the set

3) $12, 11, 2, 2, 4, 3, 4, 6$

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:

$2, 2, 3, 4, 4, 6, 11 \text{ and } 12$

The number that appears most often are $2 \text{ and } 4$. Since there is a tie, we say that the list has 2 modes: 2 and 4

4) $11, 9, 9, 3, 4, 8, 6, 3$

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:

$3, 3, 4, 6, 8, 9, 9 \text{ and } 11$

The number that appears most often are $3 \text{ and } 9$. Since there is a tie, we say that the list has 2 modes: 3 and 9

⁵⁾ $12, 11, 6, 8, 10, 6, 8, 8$

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:

$6, 6, 8, 8, 8, 10, 11$ and 12

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

⁶⁾ $8, 2, 10, 2, 5$

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:

$2, 2, 5, 8$ and 10

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

⁷⁾ $4, 5, 12, 12, 3, 5$

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:

$3, 4, 5, 5, 12$ and 12

The number that appears most often are 5 and 12. Since there is a tie, we say that the list has 2 modes: 5 and 12

⁸⁾ $6, 7, 12, 12, 10, 5, 7, 11, 10$

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:

$5, 6, 7, 7, 10, 10, 11, 12$ and 12

The number that appears most often are $7, 10$ and 12. Since there is a tie, we say that the list has 3 modes: $7, 10$ and 12

⁹⁾ $9, 9, 9, 12, 12, 12, 9, 3$

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:

$3, 9, 9, 9, 9, 12, 12$ and 12

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

$12, 5, 5, 7, 8, 8, 9$

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:

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

The number that appears most often are 5 and 8. Since there is a tie, we say that the list has 2 modes: 5 and 8

$9, 11, 3, 2, 9, 5$

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:

$2, 3, 5, 9, 9$ and 11

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

$6, 12, 8, 8, 7$

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:

$6, 7, 8, 8$ and 12

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