

	Name:		Class:
C.	m3		
4	Mode,	, mean, median, and range	e: find the missing number
ಷ			
a.		g data set: 69, 77, x, 56, 72 b. is 71, find the value of x.	Synthia has the following data set: 12, 7, 2, 20, u, 2 Given that the range is 25, is the value of u equal to 27 or 1?
	81	91	equal to 27 of 1:
			1 27
+			
+			
:		ving set of data: 32, 23, x, 15, 30, an is 23, is the value of x equal to	
	Given that the media	11 13 23, 13 tile value of x equal to	720 01 10:
	26	10	
+			
_			
d.	Lina has the following	g data set : 2, 3, u, 4, 10.	
		is 2, What is the value of u?	
		2	
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Mode, mean, median, and range: find the missing number				
Carl has the following data set: 69, 77, x, 56, 72	Synthia has the following data set: 12, 7, 2, 20, u			
Given that the mean is 71, find the value of x.	Given that the range is 25, is the value of u			
	equal to 27 or 1?			
91				
You know that,	1 27			
mean = Sum of all numbers Number of values in the data set	To solve this, we replace u with either 1 or 27 and sol			
	for the range.			
Let's proceed by finding the sum of the data set	So, replacing u with 27 we have:			
69 + 77 + x + 56 + 72 = 274 + x	12, 7, 2, 20, 27, 25			
Now, find x by using the formula above.	arranging from least to greastest we have			
$71 = \frac{274 + x}{5}$ $71 \times 5 = 274 + x$	2, 7, 12, 20, 25, 27			
	So, the range = highest number - lowest number			
x = 355 - 274 = 81	= 27 - 2 = 25			
So, x = 81	So, you see that when u is 27, our range is 25.			
Minaya has the following set of data; 72, 27, v. 15, 7	0.12.25			
Mineva has the following set of data: 32, 23, x, 15, 30, 12, 25				
Given that the median is 23, is the value of x equal	10 26 0F 10?			
26 10				
When solving this, we replace x with either 26 or 10 and solve for the median.				
So, replacing x with 10 we have				
32, 23, 10, 15, 30, 12, 25				
Put the numbers in increasing other and find the median.				
10, 12, 15, 23, 25, 30, 32				
You see that the middle number is at 23				
So, the median is 23 when x = 10				
Lina has the following data set: 2, 3, u, 4, 10.	COP			
Given that the mode is 2, What is the value of u?				