

4.OA Double Plus One

Task

a. The table below shows a list of numbers. For every number listed in the table, multiply it by 2 and add 1. Record the result on the right.

number	double the number plus one
0	
1	
2	
3	
4	
5	
10	
23	
57	
100	
309	

b. What do you notice about the numbers you entered into the table?

c. Sherri noticed that all the numbers she entered are odd.

i. Does an even number multiplied by 2 result in an even or odd number? Why do you think this is?

ii. Does an odd number multiplied by 2 result in an even or odd number? Why do you think this is?

iii. Does an even number plus 1 result in an even or odd number? Why do you think this is?

iv. Does an odd number plus 1 result in an even or odd number? Why do you think this is?

v. Explain why the numbers you entered in the table are all odd.



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