

A man bought *x* boxes of doughnuts for \$3.49 each. He paid with a \$50 bill and received the correct amount of change. If he received more than \$10 but less than \$20, which inequality represents the number of boxes of doughnuts he could have bought?

A. $8 \le x \le 11$ C. $9 \le x \le 11$

B. 8 ≤ *x* ≤ 12 D. 9 ≤ *x* ≤ 12

A <u>FUNCTION</u> can be a _____ with _____ values (the **DOMAIN**) and _____ values (the **RANGE**).

FUNCTION NOTATION is the way a function is written. The most popular function notation is f(x), which is read "f of x." For example, to find f(1), find the output when the input is 1.

EXAMPLE 1: Use the table to determine Function Frank's rule.			
Hello	Hello. I'm		
Functio	n Frank.	put (Output
HOOHA		x	f(x)
		1	5
		3	7
		6	10
	Output f(x)	7	11
		8	12
×	f(X)	10	14
Function Frank's Rule: Output =	or		
Find each of the following: $f(6) = $	f(3) =		
f(8) =	If f(x) = 11, x =		

