

Hi! My name is Bill Weights, founder of Super Scooper Ice Cream. I am offering you a gift certificate for our signature "Super Bowl" (a \$4.95 value) if you forward this letter to 10 people.

When you have finished sending this letter to 10 people, a screen will come up. It will be your Super Bowl gift certificate. Print that screen out and bring it to your local Super Scooper Ice Cream store. The server will bring you the most wonderful ice cream creation in the world—a Super Bowl with three yummy ice cream flavors and three toppings!

This is a sales promotion to get our name out to young people around the country. We believe this project can be a success, but only with your help. Thank you for your support.

Sincerely,

Bill Weights
Founder of Super Scooper Ice Cream

Hil My name is Bill Weights, founder of Super Scooper Ice Cream. I am offering you a gift certificate for our signature "Super Bowl" (a \$4.95 value) if you forward this letter to 10 people.

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Sincerely

Bill Weights

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Founder of Super Scooper Ice Cream

y 1, Bill Weights starts by sending the email out to his 8 closest friends.

low many people will receive the email on day 7?

low many people with receive the email on day *n*?

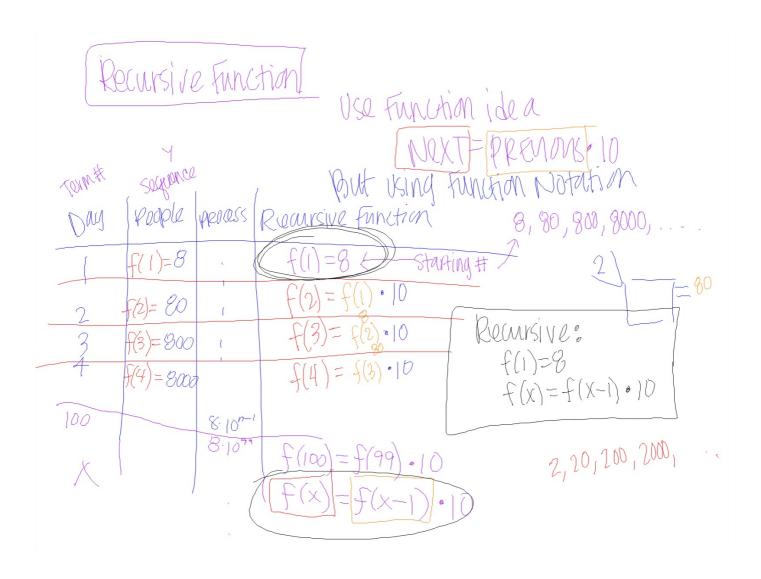
in your answer with as many representations as possible.

Bill gives away a Super Bowl that costs \$4.95 to every person that receives the email during the first week, nuch will he have spent?

(Explicit Function) Get From column of

	Recursive Fu	nctian	Recursive function: f(1)=9 f(x)=f(x-1).0				
Recursive idea: Next = Previous . 10							
Term# Day		nge to func explicit Process	Recursive Function Sequence 8, 80, 800, 800				
1 2	f(1) = 8 f(2) = 80	710	f(1) = 8 < Starting point $f(2) = f(1) = 10$				
5	f(3) = 900 f(4) = 8000		$f(3) = f(3) \circ (0$ $f(4) = f(3) \circ (0$				
100		3.1099	$f(100) = f(99) \cdot 10$ $f(X) = f(X-1) = 10$				

Recursive Function	Recursive idea: Next=previous+2 3,5,7,9,
Duy X Push-ups process $f(1)=3$ 3 $7(z)=5$ $3+2$ 3 $7(3)=7$ 4 $7(4)=9$	Recursive Function $f(1)=3$ $f(2)=f(1)+2=5$ $f(3)=f(2)+2=7$ $f(4)-f(3)+2=9$
X	f(x) = f(x-1) + 2 $f(x) = 3$ $500, 902, 904,$



Recursive Function

Recursive idea: Next-Provious +-2

3,5,7,9, ----

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torms	Sugaria	Process	Remisive Function	
	f(1)=3	(f(i) = 3	
	f(2)= 5	(f(2) = f(1) + 2 = 5	
3	f(3)=7		f(3) = f(2) + 2 = 7	
F.	f(4)=9	(f(4) = f(3) +2 = 9	
X)		f(x) = f(x-1) + 7 $f(1) = 3$	201, 203, 205