

WHAT'S THE BEST WAY TO SERVE LION MEAT?

Complete each table and graph. For table cells that have letters, write the letter in the corresponding box at the bottom of the page. (Round decimals to the nearest whole number.)

SITUATION #1

On the island of Exponia, there are 800 mi^2 of rain forest and 100 mi^2 of farmland. However, the area of rain forest is decreasing 20% each year, and the area of farmland is increasing 20% each year. Complete the table and graph to show the area of each for the next 10 years.

Let $t = \text{Time (yr)}$

$R = \text{Rain forest (mi}^2\text{)}$

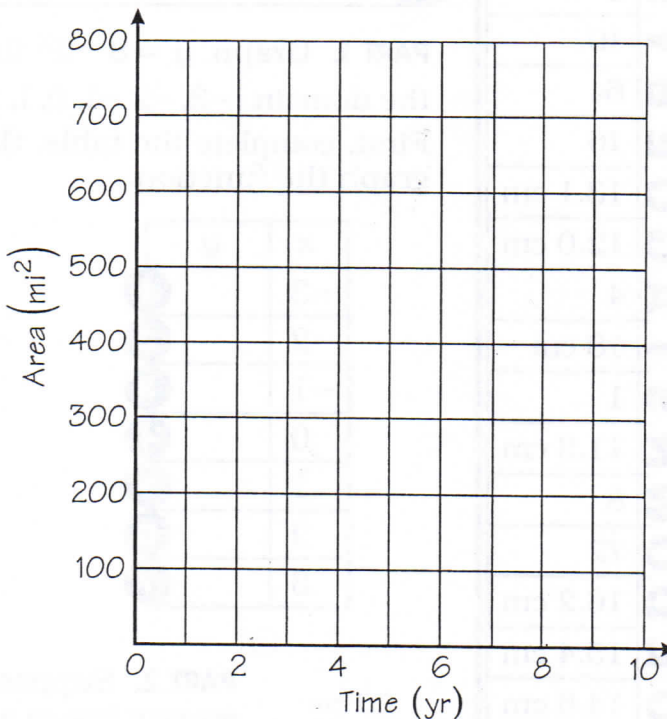
$F = \text{Farmland (mi}^2\text{)}$

Equations:

$R =$

$F =$

t (yr)	R (mi^2)	F (mi^2)
0		
1		
2	A	
3		S
4		
5		
6		
7		
8		
9	S	
10		E



SITUATION #2

One fine day, Klash bought a new car for \$20,000 and also put \$3000 in a savings account. He expects the value of the car to decrease by about 15% each year, but he expects the value of his savings to increase 8% each year. Complete the table and graph to show the value of each for the next 12 years.

Let $t = \text{Time (yr)}$

$V_C = \text{Value of car (\$)}$

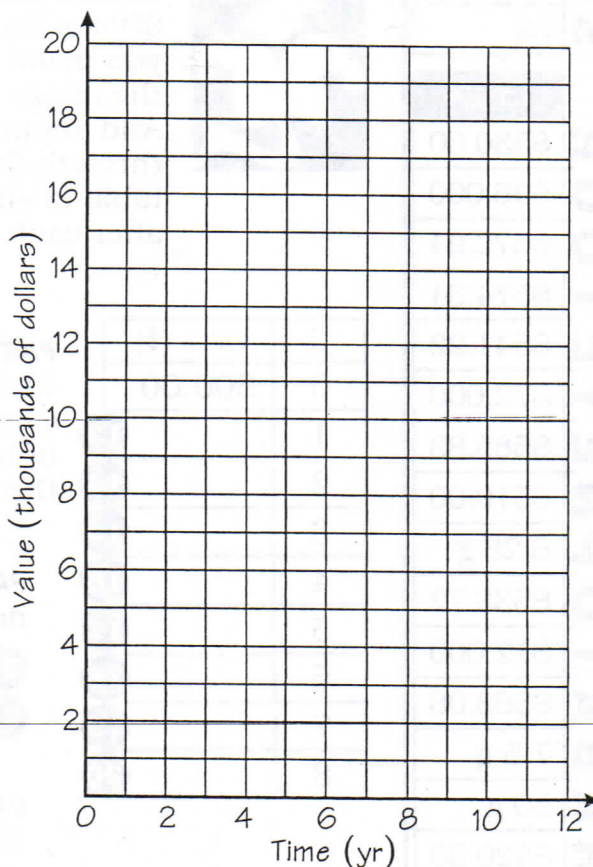
$V_S = \text{Value of savings (\$)}$

Equations:

$V_C =$

$V_S =$

t (yr)	V_C (\\$)	V_S (\\$)
0		
1	H	
2		A
3		
4		
5		
6	A	
7		M
8		
9		
10		I
11	D	
12		N



3499	173	3491	7543	575	5141	512	7555	619	6711	3347	6479	107	17,000
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