Two Models

(1)	Process		(2)
	30	Start	
	↓	↓	
	24	reduce	record amt.
record amt.	34	take dose	
	↓	↓	
	27.2	reduce	record amt
record amt.	37.2	take dose	
	↓	↓	
	29.76	reduce	record amt
record amt.	39.76	take dose	
	⋮	⋮	

Reduce, then take dose + record

$\boxed{\text{NEXT} = .8\,\text{NOW} + 10}$

1st reduce, then take dose

(start recursion at 30)

Take dose, then reduce + record

$\boxed{\text{NEXT} = .8\,(\text{NOW} + 10)}$

1st take dose then reduce

(start recursion at 24)

Focus on this model after Problem 3 in the Medicine Dosage Task.