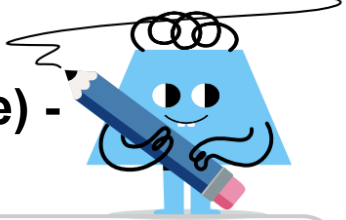
Name

Exponential Function Growth (Discrete) - Meaning to Term



1 In this model of growth in credit card debt with yearly interest, which term represents the rate?

$$D = D_0 \cdot (1 + r)^{(t)}$$

rate $=?$

A	B	C	D
D_0	D	r	t

2 In this model of growth of an insect population that breeds once per year, which term represents the final population?

$$P = P_0 \cdot (1 + r)^{(t)}$$

final population $=?$

A	B	C
t	P	r

3 In this model of growth in credit card debt with monthly interest, which term represents the final debt?

$$D = D_0 \cdot (1 + r)^{(t)}$$

final debt $=?$

A	B	C
t	D	D_0

4 In this model of growth of a rabbit population (yearly breeding cycle), which term represents the starting population?

$$P = P_0 \cdot (1 + r)^{(t)}$$

starting population $=?$

A	B	C
r	P_0	P

5 In this model of growth of an insect population that breeds once per year, which term represents the time?

$$P = P_0 \cdot (1 + r)^{(t)}$$

time $=?$

A	B	C	D
t	P	r	P_0

6 In this model of growth of an insect population that breeds once per year, which term represents the rate?

$$P = P_0 \cdot (1 + r)^{(t)}$$

rate $=?$

A	B	C
t	r	P

7 In this model of growth in credit card debt with monthly interest, which term represents the time?

$$D = D_0 \cdot (1 + r)^{(t)}$$

time $=?$

A	B	C
D_0	D	t

8 In this model of monthly compounding growth of money in a savings account, which term represents the final cash?

$$P = P_0 \cdot (1 + r)^{(t)}$$

final cash $=?$

A	B	C	D
r	t	P_0	P