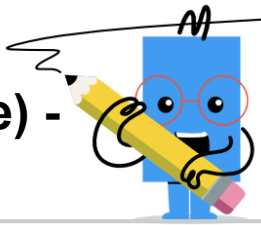
Name

Exponential Function Growth (Discrete) - Term to Meaning



1 What does this term represent in a model of growth of a rabbit population (yearly breeding cycle)?

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

A P = starting population

B P = time

C P = final population

2 What does this term represent in a model of growth in credit card debt with monthly interest?

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

A r = final debt

B r = starting debt

C r = rate

3 What does this term represent in a model of growth of an insect population that breeds once per year?

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

A t = final population

B t = starting population

C t = time

4 What does this term represent in a model of growth in credit card debt with yearly interest?

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

A t = time

B t = starting debt

5 What does this term represent in a model of growth of a rabbit population (yearly breeding cycle)?

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

A r = starting population

B r = rate

C r = final population

6 What does this term represent in a model of quarterly compounding growth of money in a savings account?

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

A P_0 = final cash

B P_0 = rate

C P_0 = starting cash

7 What does this term represent in a model of growth in credit card debt with monthly interest?

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

A D = rate

B D = starting debt

C D = final debt

8 What does this term represent in a model of growth in credit card debt with yearly interest?

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

A D_0 = final debt

B D_0 = starting debt