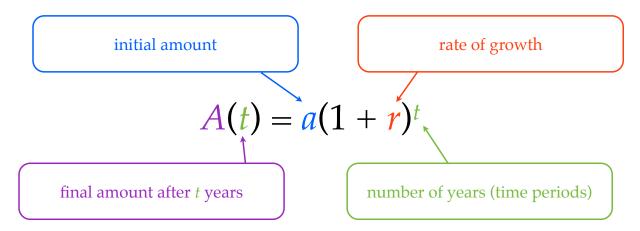
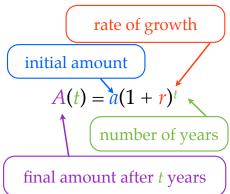
Name	
Date	Period

Basic Exponential Growth



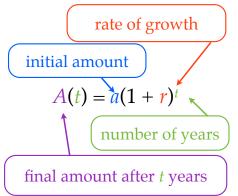
In 1990, there were 1250 students at Katy High School. If the number of students increased by 3% each year, how many students were at Katy High School in 1997? 2004?

$$A(t) = a = r = t = for 1997$$



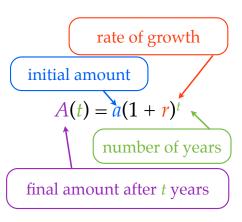
In 1990, there were 1250 students at Katy High School. If the number of students increased by 3% each year, how many students were at Katy High School in 1997? 2004?

$$A(t) = a = r = t = for 2004$$



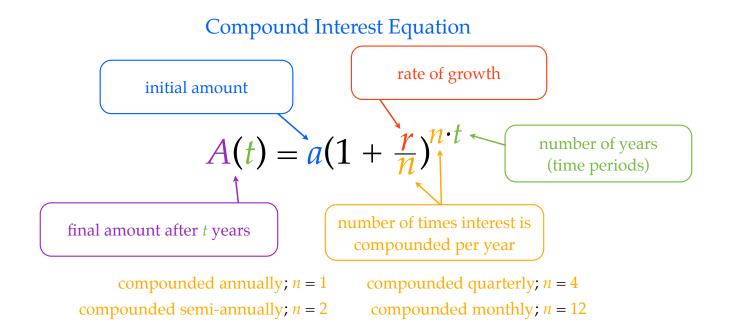
You deposit \$500 in a bank account that pays you 6% interest each year. How much money will you have in 5 years? 25 years?

$$A(t) = a = r = t = t = a$$



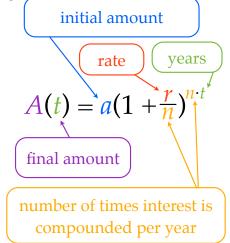
You deposit \$500 in a bank account that pays you 6% interest each year. How much money will you have in 5 years? 25 years?



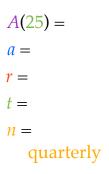


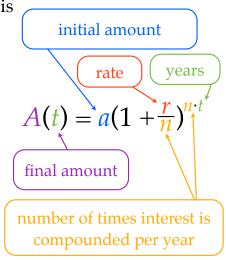
You deposit \$500 in a bank account that pays you 6% interest. How much money will you have in 25 years if your interest is compounded annually? quarterly? monthly?

A(25) =a =r =t =n =annually



You deposit \$500 in a bank account that pays you 6% interest. How much money will you have in 25 years if your interest is compounded annually? quarterly? monthly?





You deposit \$500 in a bank account that pays you 6% interest. How much money will you have in 25 years if your interest is compounded annually? quarterly? monthly?

