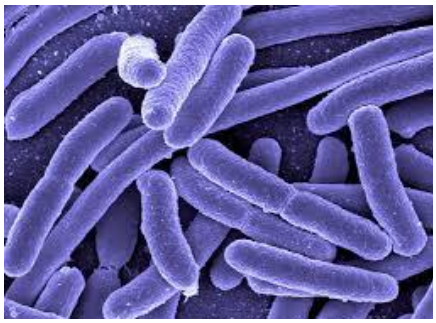
Unit 2 5.3 **Bacteria/New Car** Name:_____

Mitosis is a process of cell reproduction in which one cell divides into two identical cells. *E.coli* is a fast-growing bacterium that is often responsible for food poisoning in uncooked meat. It can reproduce itself in 15 minutes.

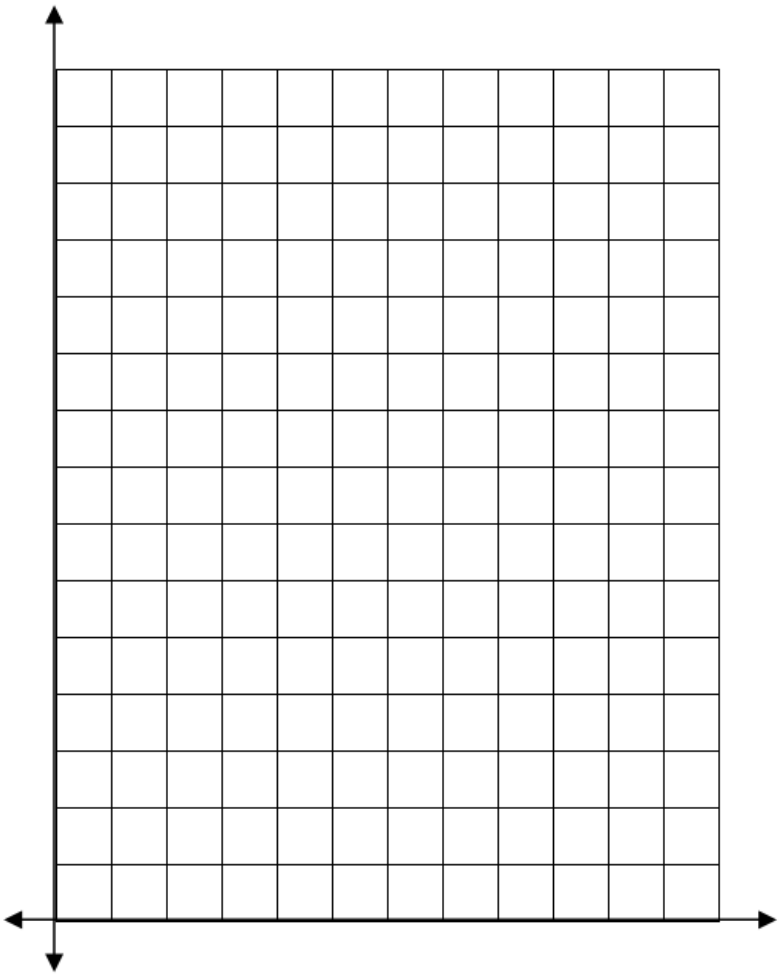


If you begin with 100 *E.coli* bacteria…

How many will there be in one hour?

How many will there be in three hours?

x	y



Equation: _____

Unit 2 5.3 **Bacteria/New Car** Name:_____

A brand new Ford Fiesta costs $25,000 and the car loses 12% of its value each year.

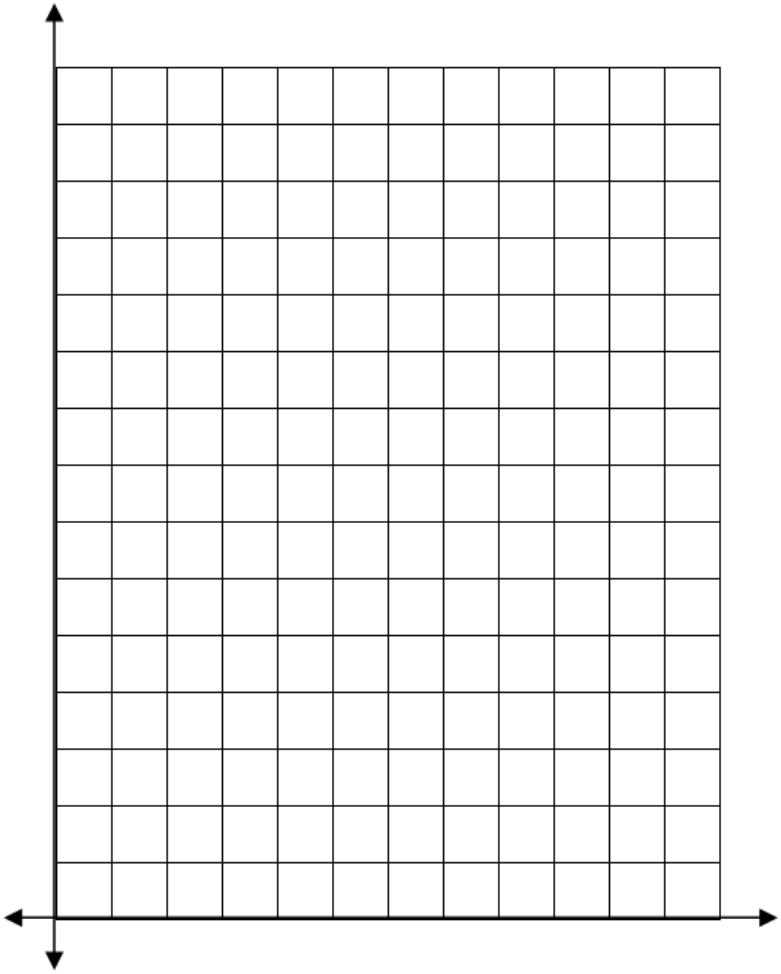
How much will the car be worth in 1 year?

How much will the car be worth in 3 years?

How much will the car be worth in 10 years?

How long will it take for the car to become "worthless"?

x	y



Equation: _____