Simple:

Where:

*I* = interest

*P* = initial principle

*r* = interest rate per period (per day)

*n* = number of periods

Compounded Daily:

Where:

*A* = total amount

*P* = initial principle

*r* = interest rate per compounding period (per day)

*n* = number of compounding periods

Compounded Continuously:

Where:

*A* = total amount

*P* = initial principle

*e* = the natural logarithm base (approximately 2.7183)

*r* = interest rate per period (per day)

*n* = number of periods