

...

### Compound Interest Calculator

Inputs	
Current Principal:	\$ 10,000.00
Annual Addition:	\$ 0.00
Years to grow:	30
Interest Rate:	6 %
Compound interest	1 time(s) annually
Make additions at	<input checked="" type="radio"/> start <input type="radio"/> end of each compounding period
<input type="button" value="Calculate"/>	
Results	
Future Value:	\$ 57,434.91

### Compound Interest Formula

Compound interest - meaning that the interest you earn each year is added to your principal, so that the balance doesn't merely grow, it grows at an increasing rate - is one of the most useful concepts in finance. It is the basis of everything from a [personal savings plan](#) to the [long term growth of the stock market](#). It also accounts for the [effects of inflation](#), and the [importance of paying down your debt](#).