Simple and Compound Interest







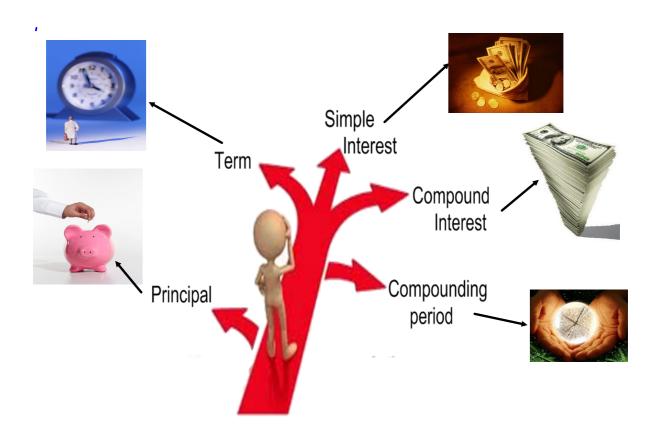


INTEREST???

- What is Interest?
 Money that is added to an investment/loan.
- Investments (money is earned) interest "Good interest"
- savings account (very, very small interest)
 - RRSP (registered retirement savings plan)
- RESP (registered educational savings plan)
- Canada Savings Bonds
- GIC'S (guaranteed investment certificate)
- Tax Free Savings Accounts
- Mutual Funds
- Stock Market (no interest, shares)
- Loans (money owed)
- "Bad Interest"
- banks (line of credit, personal loans, mortgage)
- business/stores
- credit cards

INTEREST - What is a good #?

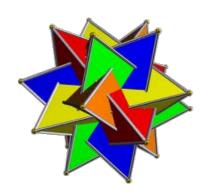
bank: 7-10 %business: 14 - 20%credit card (9 - 25 %)



SIMPLE



COMPOUND





SIMPLE Interest

Based on the **principal** (original amount) that is invested/borrowed. Interest is a certain percentage per **annum** (year). Often used for personal loans and short-term investments. The length of time for the investment/loan is called the **term**.

Interest = Principal x rate x time

I = Prt

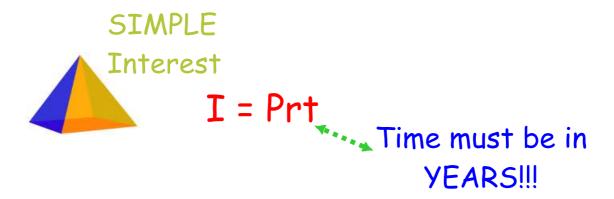




- I interest earned
- P principal (original investment/loan)
- r interest rate as a percent (change to a decimal)
 - t is ALWAYS time inyears

(how long the money is invested/borrowed)

• A - amount of money including interest



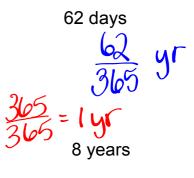
Represent each amount of time in years.





27 weeks







Gordon wants to invest \$2000.00. His bank offers an investment option that earns simple interest at a rate of $\frac{1.75\%}{I}$ per year for 3 years. I = Prt I = (2000)(0.0175)(3) I = \$105

Homework

Page 102 - using the chart provided do questions 1-4

Assignment - Simple Interest.doc