









## Terms

- Lump Sum = a one-time investment
  Ex. You invest \$500 today and invest nothing else after that
- Annuity = stream of regular payments
  Ex. Car loan payments they are the same amount every month for a stated number of years
- Future Value = what you will have in your account in the
- future
- Present Value = what something is worth today

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## Present Value Spreadsheet Click on the "PV Calculator" tab Use the same as the FV calculator • Example: You want to have a future value of \$40,000 after 10 years. How much do you need to invest today earning 7%?

- Years = 10
  - Annual Rate = 7%
  - Annuity = 0
  - FV (Lump Sum) = 40,000
  - PV = \$20,333.97

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## Keep in Mind Lump sum = only investing 1 time Annuity = several constant investments If you know the FV, solve for the PV If you know the PV, solve for the FV If it helps, draw a timeline - This can help you figure out what to solve for! FARM CREDIT KNOWLEDGE CENTER.