



What do other high school students know about investing?

We asked high school students to describe the weirdest get-rich-quick scheme they've ever heard of.

“Someone told me that I could get rich selling food door to door. After three days of embarrassment, I ended up only \$5 richer.”

Junior, Michigan

“I know about a chain letter where you put \$1 in an envelope, include six addresses, and send it out to the top address. Eventually people are supposed to send you \$1 each.”

Junior, Alabama

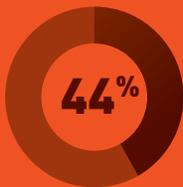
“People think you can go to Hollywood and become a street performer until a big-time producer discovers you and you become a rich actor.”

Junior, Missouri

“I've heard people say you can go to Alaska and work in a canning plant to get rich.”

Senior, Wyoming

Investing and Retirement



44%
of teens would like their parents to talk more about how to invest money.*



75%
of teens say that learning more about money management, including budgeting, saving and investing, is one of their top priorities.*

AS YOU CONSIDER a good time to begin investing and retirement planning, think back to Ben and Arthur in Chapter 2. The fact is, you want to start planning and preparing for your financial future *now*! Dave’s friend and best-selling author Zig Ziglar once said, “If you aim at nothing, you will hit it every time.” Remember, the sooner you start investing, the sooner your money can begin to work for you! The magic of compound interest works best when given lots of time to do its thing.

* Teens & Money Survey, Charles Schwab

Before You Begin



Learning Outcomes

Once you've completed this chapter's videos, you will be asked to return to this list and place a checkmark next to the items you've mastered.

Section 1: Investing 101

- Explain how investing builds wealth and helps meet financial goals.
- Examine the relationship between diversification and risk.
- Identify regulatory agencies and their functions.

Section 2: Types of Investments

- Evaluate investment alternatives: money markets, bonds, single stocks, mutual funds, annuities and real estate.
- Explain the Rule of 72.
- Identify different types of retirement plans.
- Explain how taxes affect the rate of return on investments.
- Understand how pre-tax and after-tax investments work.
- Understand how the stock market works.
- Be familiar with the various retirement account tax treatments.
- Develop a plan for investing; describe how to buy and sell investments.

Section 3: Employer Benefits & Retirement Plans

- Analyze the components of an employer benefits package.
- Explain how compound interest works.



Key Terms

Get to know the language of money.

- » **Diversification:** The practice of dividing the money a person invests between several different types of investments in order to lower risk
- » **Investing:** The process of setting money aside to increase wealth over time for long-term financial goals such as retirement
- » **Investment:** Account or arrangement in which a person puts his/her money for long-term growth; invested money should not be used for a suggested minimum of five years
- » **Liquidity:** Quality of an asset that permits it to be converted quickly into cash without loss of value; availability of money
- » **Portfolio:** A list of your investments
- » **Risk:** Degree of uncertainty of return on an asset; in business, the likelihood of loss or reduced profit
- » **Risk-Return Ratio:** Relationship of substantial reward compared to the amount of risk taken
- » **Share:** Piece of ownership in a company, mutual fund or other investment
- » **Stocks:** Securities that represent part ownership or equity in a corporation
- » **Tax-Favored Dollars:** Money that is invested, either tax deferred or tax free, within a retirement plan



Measure Your Progress

Before watching the video, read each statement below and mark whether you agree or disagree in the “Before” column. Then, after watching the video, do it again using the “After” column to see if you changed your mind on any statement.

BEFORE			AFTER	
Agree	Disagree		Agree	Disagree
<input type="checkbox"/>	<input type="checkbox"/>	1. You can start investing with a small amount of money.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	2. The more sophisticated the investment, the more money you get in return.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	3. With virtually all investments, as the risk goes up, so does the potential return.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	4. It's difficult to find an investment with a long-term record that averages 12%.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	5. It is okay to borrow money if you are going to invest it.	<input type="checkbox"/>	<input type="checkbox"/>



JOURNAL QUESTIONS: INTRODUCTION

List your initial thoughts about investing. What do you want to learn about investing?



THINGS TO CONSIDER

The smartest investment you can make is in yourself. As a young adult, you should have two goals: continue your education and stay out of debt.



While 79% of American millionaires use brokers for guidance, they make their own investment decisions.

The Millionaire Next Door



Section 1: Investing 101

5 THE FIFTH FOUNDATION Build Wealth and Give

REMEMBER, the goal is to build wealth. You can and should save money for your emergency fund and for purchases. Then, once you're sure that you have your post-secondary education paid for, you should begin to invest a portion of your income. How does investing build wealth? Investing allows your money to work

for you. You'll be amazed at how your money, when invested wisely, can begin to grow!

Investing will help you reach your long-term financial goals, such as retirement. In this chapter, we are going to give you the tools to achieve lifelong financial well-being.

VIDEO 1.1

Basic Rules of Investing

- » **Keep it _____, stupid!** Investing doesn't have to be complicated, and there is really no trick to it. Never invest money in anything you do not understand!



JOURNAL QUESTION: VIDEO 1.1

As a young adult, what is the most important thing you can invest in?

VIDEO 1.2

Basic Rules of Investing *(Continued)*

» **Never invest purely for** _____ ².

If what you are investing in is primarily a tax deal, then it is probably not a good investment. Your motivation should be to make money, not save on taxes.

» **Never invest using** _____ ³ **money.** Never borrow money, period. Borrowing money is a particularly bad idea for an investment because it increases the risk of the investment. And if you lose the money, you are still left with payments on it.

Diversification

“Here’s the thing to remember: Money is like manure. Left in one pile, it stinks—spread around, it will grow things.”

DAVE RAMSEY

» _____ ⁴ is a risk-management technique that mixes a wide variety of investments within a portfolio. The rationale behind this technique is that having a variety of investments will yield higher returns and lower risk.



THROUGHOUT THE STOCK MARKET’S HISTORY

100% of 15-year periods made money.



“Diversification is a protection against ignorance.”

WARREN BUFFETT
Famous American investor



People with a bachelor’s degree or higher have unemployment rates that are about **half the unemployment rate** of people with just a high school diploma.

Bureau of Labor Statistics

A bachelor’s degree on average increases lifetime income by \$1.2 million as compared with a high school diploma.

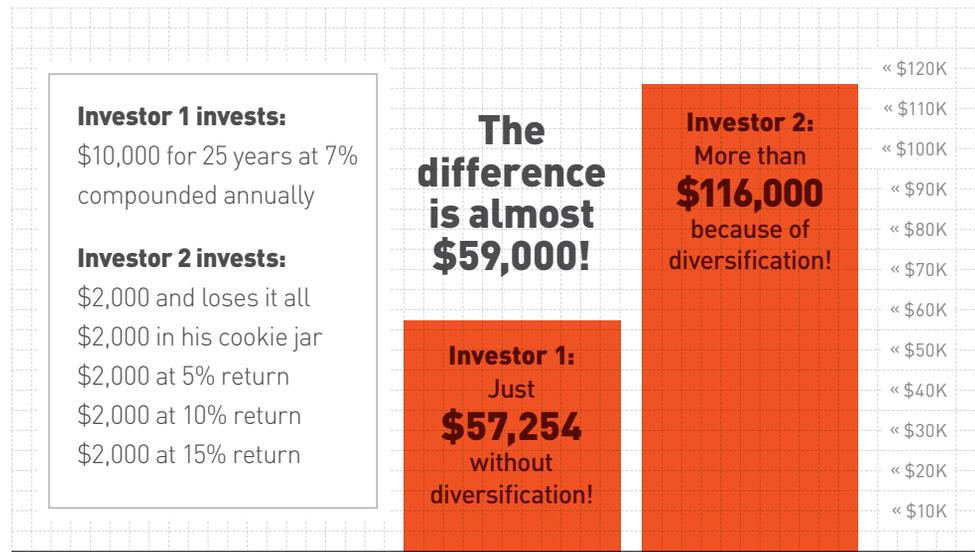
Journal of Student Financial Aid

Risk Return Ratio and Liquidity

- » The risk return ratio is used by investors to compare the expected return of an investment to the amount of risk they take to get the return. This ratio is calculated mathematically by dividing the amount you stand to lose if the price goes down (risk) by the amount of profit you expect to make (return). With virtually all investments, as the _____₅ goes up, so does the potential return.
- » Liquidity refers to assets that can be easily bought or sold (liquid assets). When discussing investments, _____₆ is availability. As there is more liquidity, there is typically _____₇ return.

The Power of Diversification

What would happen if two people each invested \$10,000—one diversifies, the other does not—and left it alone for 25 years?





JOURNAL QUESTION: VIDEO 1.2

If you were giving advice to a friend, what would you say are the most important things to know about investing?

Section 2: Types of Investments

VIDEO 2.1

Money Markets

- » A market in which short-term financial instruments such as certificates of deposit (CD), Treasury bills, commercial papers and bank deposits are traded. New York is the major money market, followed by London and Tokyo.
- » A CD is a _____, typically at a bank. It is a savings account with a slightly higher interest rate because of a longer savings commitment (i.e. six months, one year, etc.).
- » A money market account is a _____-risk bank savings account with check-writing privileges.



U.S. SECURITIES AND EXCHANGE COMMISSION (SEC):

The government agency responsible for regulating the stock market. It was created in 1934 to increase public trust after the 1929 stock market crash and the years of the Great Depression.

FEDERAL DEPOSIT INSURANCE CORPORATION (FDIC):

The U.S. federal agency that insures deposits in commercial banks. It was created to restore public trust in banks after the 1929 stock market crash. FDIC replaced the former Federal Savings and Loan Insurance Corporation in 1989.

FEDERAL RESERVE: The central (federal) banking system of the United States

INTERNAL REVENUE SERVICE (IRS): A U.S. federal agency responsible for collecting taxes and for the interpretation and enforcement of the Internal Revenue Code (laws)



CASE STUDY

Harry, a bright young man, was fresh out of college when Bob approached him with an investment opportunity that sounded too good to pass up.

"I've got some property on a potential oil field," Bob said. "For only \$750 you can buy a share of the land. You'd be crazy not to get in on this investment." Bob, an expert salesman, promised Harry would become rich and sealed the deal with a simple appeal: "Harry, this is a great way to diversify your portfolio."

Thirty years later, after all the oil was pumped out, Harry still hadn't seen any money from his "investment." It turns out that Bob was offering rights to land that he didn't have the right to sell, scamming people by selling "phantom shares." Harry's risky attempt to diversify cost him \$750.

What would have happened if he had put that money in a mutual fund with a 12% return instead? He would now have \$22,469.

Money Markets *(Continued)*

- » These are great for your _____ due to their **liquidity** (accessibility) and **stability**. ¹⁰
- » Money market investments are low-risk, and therefore, have low returns.

Single Stocks

- » Single stock investing carries an extremely _____ degree of risk. ¹¹
- » When you buy stock, you are buying a small piece of _____ in the company. ¹²
- » Your return comes as the company increases in _____ or pays you, its owner, some of the profits (dividends). ¹³

Bonds

- » A bond is a _____ instrument by which the company owes you money; a form of I.O.U. The company that issued the bond makes regular interest payments to the bond holder and promises to pay back or redeem the face value of the bond at a specified point in the future (maturity date). ¹⁴
- » Your return is the fluctuation in price and the _____ rate paid. ¹⁵
- » Few individuals do well with _____ purchases. ¹⁶

- » Examples include **Treasury bonds** (a bond issued by the U.S. government that bears fixed interest) and **savings bonds** (in the United States, a bond that can be bought from the federal government).
- » Bonds are typically low risk and low return on investment.



JOURNAL QUESTION: VIDEO 2.1

Explain why single stocks carry a high degree of risk.

VIDEO 2.2

Mutual Funds

- » A mutual fund is an investment vehicle made up of a pool of _____¹⁷ collected from many investors for the purpose of investing in securities such as stocks, bonds, money market instruments and similar assets.
- » Portfolio managers manage the pool or _____¹⁸ and attempt to increase the value of the fund in order to produce capital gains and income for the fund’s investors.
- » A mutual fund portfolio is structured and maintained to match the investment objectives stated in its prospectus.
- » Your _____¹⁹ comes as the value of the fund is increased.



WAR BONDS (ALSO KNOWN AS DEFENSE BONDS): The last time the United States issued war bonds was during World War II. Issued by the U.S. government, they were named war bonds after the Japanese attack on Pearl Harbor, Dec. 7, 1941. The purpose of war bonds was to finance military operations during war time. The bonds yielded a mere 2.9% return after a 10-year maturity.

DIVIDEND: Distribution of a portion of a company’s earnings, decided by the board of directors, to a class of its shareholders; generally distributed in the form of cash or stock

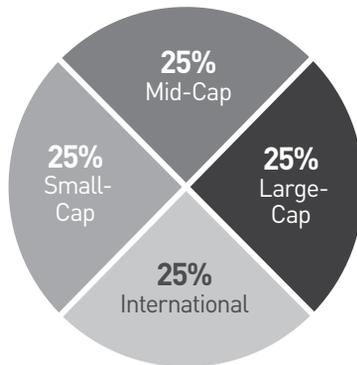


“October. This is one of the peculiarly dangerous months to speculate in stocks. The others are July, January, September, April, November, May, March, June, December, August, and February.”

MARK TWAIN
American author

Mutual Funds *(Continued)*

- » The main advantage of mutual funds is that they give small investors access to professionally managed, diversified portfolios of stocks, bonds and other securities.
- » Mutual funds are good _____-term investments.



- » A mutual fund portfolio that is properly diversified will have investment dollars spread equally among four different classes of financial assets. Remember, the overall diversification of your mutual fund portfolio means lower risk. We recommend 25% in each of these four classes. Compared to other investments, if you use this strategy, you would have moderate risk.

JOURNAL QUESTION: VIDEO 2.2

*Which are a better investment, stocks or mutual funds?
Explain your answer.*



THE STANDARD DIVERSIFICATION PLAN

25% Growth Stock Mutual Fund (Mid-Cap): Fund that buys stock in medium-sized companies that have experienced some growth and are still expanding

25% Growth and Income Stock Mutual Fund (Large-Cap): Fund comprised of large, well-established companies

25% Aggressive Growth Stock Mutual Fund (Small-Cap): Fund that seeks to provide maximum long-term capital growth from stocks of primarily smaller companies; the most volatile fund

25% International Stock Mutual Fund: Fund that contains international or overseas companies

Qualified Plans

A **qualified plan** is a _____ - _____ investment (which means it has special tax treatment).²¹

Examples of qualified plans include:

Individual Retirement Arrangement (IRA)

When it comes to IRAs, everyone with an _____ is eligible.²²

Remember: IRA is not a type of investment at a bank.

It is the _____ on virtually any type of investment.²³

Roth IRA

- » The Roth IRA is funded with after-tax money, which allows you to use the money in your Roth tax free in retirement.
- » After five years, you can make _____ - _____, penalty-free withdrawals of earnings under these conditions:²⁴
 1. Over 59 and a half years old
 2. Because of death or disability
 3. First-time home purchase

Investing money pretax is different than investing money after tax. There are no taxes when you cash out a Roth, so it forces you to invest more.

*** NOTE:** There are limits (based on total household income) to the annual contribution amounts. These amounts can change based on inflation. Go to foundationsU.com to check out the current contribution phase-out limits. As an adult, you should invest 15% of your household income into Roth IRAs and pretax retirement plans.



KNOW THE RULE OF 72!

The Rule of 72 is a quick way to calculate the length of time it will take to double a sum of money. Divide 72 by the expected interest rate to determine the number of years (i.e. 72 divided by 8% = 9 years).



THE ROTH IRA is named for Sen. William Roth of Delaware, who authored this section of the Taxpayer Relief Act of 1997.

Make the Most of Your Inheritance

“I’m 21 and currently in college. Next month, I’ll be receiving an inheritance of about \$40,000. I don’t know anything about stocks, mutual funds or CDs, but I don’t want to lose all this money. I don’t have any debt, so what should I do?”

DAVE’S ANSWER: I’m glad you’re asking questions. One of the fastest ways to lose money is to put it into an investment that you don’t understand.

You don’t need to change your major to finance to make this happen, but you do have a \$40,000 responsibility that you didn’t have before. For now, a simple savings account is fine. I’d park \$30,000 in there and just forget about it for a while. Then use \$5,000 to set up an emergency fund and maybe blow

\$5,000 on some things just for you. After all, spending and having fun with money is still important!

But here’s something to think about once you’ve educated yourself on investing. If you put that remaining \$30,000 in a good growth stock mutual fund, by the time you’re ready to retire you’ll be looking at about \$5.5 million.

Talk about being able to retire with dignity and change your family tree!

Annuities

- » An **annuity** is a _____²⁵ account sold by an _____²⁶ company, designed to provide payments to the holder at specified intervals, usually after retirement.
- » The holder is taxed at the time of distribution or withdrawal, making this a tax-deferred arrangement.
- » _____²⁷ annuities have a low interest rate of around 5%; they have high fees and are a bad investment option.
- » _____²⁸ annuities are mutual funds sheltered by the annuity, which allows the mutual fund to grow _____²⁹.



EDUCATION SAVINGS

PLAN (529 PLAN): A savings plan operated by a state or educational institution designed to help families set aside funds for future college costs. It is named after Section 529 of the Internal Revenue Code, which created these types of savings plans in 1996.

TAX-DEFERRED:

The key advantage of stashing money in a tax-deferred retirement account isn’t just that you’ll pay less to the government this year, but that your investments will compound faster than in a taxable account. The result is usually a larger retirement nest egg even after the funds are taxed upon withdrawal.

Real Estate

- » You should have lots of _____³⁰ before using real estate as an _____³¹. Real estate is usually held as part of a larger portfolio and is generally considered an alternative investment.
- » Real estate is land plus anything permanently fixed to it, including buildings and natural resources.
- » Real estate is the _____³² liquid consumer investment.
- » Benefits of investing in real estate include higher returns for a given level of risk. By adding real estate to a portfolio, you could maintain your portfolio returns while decreasing risk.
- » Another benefit of real estate is your ability to influence its value. As a tangible asset, an investor can increase the value of the property through a variety of improvements.
- » Other special considerations when investing in real estate:
 - It is costly to buy, sell and maintain.
 - It requires management.
 - It can be difficult to acquire.
 - The investment market is cyclical based on supply and demand.



62% of those who make financial investments rarely change their strategy.

Survey by 24/7 Wall St./Harris

**SPECULATIVE:**

Purchasing risky investments that present the possibility of large profits, but also post a higher-than-average possibility of loss

Horrible Investments

- » **Gold:** Gold has a 50-year track record of 4.1% returns. That's about the rate of inflation.
- » **Commodities:** _____³³ are agricultural or mining products. All commodities are traded, but since no one really wants to transport all those heavy materials, what is actually traded are commodities *futures contracts*—an agreement to buy or sell a commodity at a specific date in the future at a specific price. Both commodities and futures are bad investments because they result in price distortions and are highly volatile.
- » **Day trading:** This is the buying and selling of stock purchases each day through the practice of **speculation**. Evidence shows the vast majority of investors lose money in day trading.
- » **Viaticals:** This is when someone with a terminal disease sells his life insurance policy for less than face value. The buyer then cashes in the full amount at the original owner's death. There are a lot of scam artists surrounding this type of investment, and investors often incur legal risks.

What Is the Stock Market?

The stock market is a generic term that encompasses the trading of securities. This trading takes place in stock exchanges. There are three major stock exchanges in the United States:

1. Formed in 1792, the New York Stock Exchange (NYSE) is the largest organized stock exchange in the United States.

2. The American Stock Exchange (AMEX) was known before 1951 as the American Curb Exchange. That's because trading was conducted on the curb of Wall and Broad streets in New York City. The American Stock Exchange has less stringent listing requirements than the NYSE, so it attracts many smaller companies.
3. Another of the major stock exchanges, NASDAQ stands for the National Association of Securities Dealers Automated Quotation System. Unlike the NYSE and the AMEX, there isn't any physical location for the exchange; trading is done by computer. The American Stock Exchange and NASDAQ have merged but maintain their own names and identities.

The overall performance of the stock market is evaluated in many different ways. **The Dow Jones Industrial Average** is one measure of the stock market.

A **security** is a financial asset (such as a stock or bond) that can be bought and sold; a tradable financial asset.

“Bear vs. Bull Market”

The terms bull market and bear market describe upward (bullish) and downward (bearish) market trends.

JOURNAL QUESTION: VIDEO 2.3

What is real estate? Why is it considered an investment?



TIPS ON BUYING AND SELLING INVESTMENTS

1. Set your investment goals and consider a time frame (ie: getting married and buying a house, five years; having kids and buying a bigger house, 10 years; college tuition for kids, 18 years; retirement, 40 years).
2. Learn the different types of investments.
3. Choose an investment broker. Remember, they work for you! We recommend one with the heart of a teacher. NEVER invest in something you don't completely understand.
4. Understand basic investment strategies and identify ones that will help you reach your goals.
5. Build your portfolio and be sure to diversify so that all your eggs are not in one basket!
6. Stick to your investment strategy. Remember: 100% of the 15-year periods in the stock market's history have made money.

Anticipating the Future

“I am 19 years old and working in my family’s business. I live at home with my parents, I’m not in college, and my car is completely paid for. How should I start saving for a house and retirement? I want to make sure I am doing everything I can to avoid financial problems in the future. What do I need to do?”

DAVE’S ANSWER: Your first goal should be to save three to six months of your income (since you don’t really have any expenses). This will be your full emergency fund. Then you should save for anything you plan on doing in the next few years, like getting married or buying a home.

On top of that, you should invest into a Roth IRA. The current contribution limit is \$5,500 per year, which comes out to about \$458 per month. You can do less than that, but not more. If you start that now, you will be extremely wealthy when you retire.



WHAT’S THE DIFFERENCE BETWEEN SAVING AND INVESTING?

Any money set aside for five years or less is considered saving.

Money set aside for more than five years is considered investing.

Section 3: Employer Benefits and Retirement Plans

VIDEO 3.1

As you enter the workforce, it’s a good idea to be familiar with the components of an **employee benefits package**. Employee benefits are various _____ - _____³⁴ compensations provided to employees in addition to their normal wages or salaries. The purpose of employee benefits is to increase the financial security of staff members, and in doing so, improve worker retention across the organization.

Common employee benefits are retirement plans, savings plans, _____,³⁵ leave (sick, vacation, etc.), stock purchase, educational reimbursement, incentive plans and cafeteria plans. In addition to considering salary when you are offered employment with a company, you should also evaluate the employer’s benefits package.

Employer Retirement Plans

- » **Simplified Employee Pension Plan (SEP):** A self-employed person may deduct up to 15% of their net profit on the business by investing in a SEP.
- » _____³⁶ is a retirement savings plan offered by a corporation to its employees. The employee contributes money to the 401(k) from his/her gross pay, and the money in the account grows tax deferred. In some cases, employers will match the employee's contribution, but you should fund your plan whether your company matches or not.
- » **403(b)** is found in _____³⁷ organizations such as churches, hospitals and schools.
- » **457** is deferred compensation, which means you are deferring or putting off compensation. Usually this is available for _____³⁸ employees.
- » Do not use a **Guaranteed Investment Contract (GIC)** or bond funds to fund your plan. This is like a CD inside of your 401(k). You will only make about 3–4%, and it will not help you win long term.
- » **Pre-tax contributions** are taken from your gross income before taxes. Taxes are due upon withdrawal.
- » **After-tax contributions** are taken from your net income after taxes. No taxes are due upon withdrawal.



WHERE DOES THE TERM 401(K) COME FROM?

401(k) refers to the section of the tax code that discusses this sort of retirement plan, as do 403(b) and 457.



WINNING THE LOTTERY

does not guarantee peace of mind when it comes to your financial future.

In fact, Ellen Goodstein of bankrate.com reported that just the opposite happened to some lottery winners—they went broke.

Saving and investing have nothing to do with the amount of money you make or get. It is about making it a priority and being smart with your money.

Rollovers

If you leave a job and have money saved in your employer's retirement plan, always roll that money into an IRA using a direct rollover, which allows you to avoid taxes and penalties.

Retirement Loans

Never borrow on your _____ *Never!*
Even though you pay yourself back some interest, it is ³⁹
nowhere close to what you would have earned if you had left
the money in the investment.

Can Anyone Become a Millionaire?

The Power of Compound Interest

Whether you have never stepped foot in a bank or you are actively saving and investing for your future, all it takes is a little effort and a lot of patience to become confident in your financial decisions. One awesome thing that you can take advantage of is compound interest. It may sound like an intimidating term, but it really isn't once you know what it means. Here's a little secret: Compound interest is a millionaire's best friend. It's really free money. Seriously. But don't take our word for it!

Let's take another look at the story of Ben and Arthur from Chapter 2. Remember that Ben invested \$16,000 over eight years, and Arthur invested \$78,000 over 39 years. Believe it or not, Ben came out ahead . . . \$700,000 ahead! How did he do it? Starting early is the key. He put in

less money but started eight years earlier. That's compound interest for you! It turns \$16,000 into almost \$2.3 million! Since Ben invested earlier, the compound interest kicked in sooner.

What You Can Do Now

The trick is to start as soon as possible. You should start investing as soon as you have your college education funded. A survey by Charles Schwab found that 24% of young adults believe that because they are young, saving money isn't important. Looks like we just blew that theory out of the water! That same survey also discovered that only 2% of young adults say they know how to invest money to make it grow. Why not change that statistic and learn how to become a smart investor with your money? Remember, waiting just means you make less money in the end. So get moving!



JOURNAL QUESTION: VIDEO 3.1

Why do you think it is important to consider both salary and benefits when applying for a job?



Budget Builder



So you're ready to invest? Your investment dollars will need to be part of your monthly budget. Go to foundationsU.com/8 to update your budget!

Chapter Summary



Check for Understanding

Now it's time to check your learning! Go back to the *Before You Begin* section for this chapter. Place a checkmark next to the learning outcomes you've mastered and complete the "after" column of the *Measure Your Progress* section.



Build On What You've Learned

So you currently don't have any money to invest? Brainstorm at least five job options for teens and list them below.

1. _____
2. _____
3. _____
4. _____
5. _____



Big Ideas

The following *Big Ideas* are intended to provide clear focus and purpose to the lessons. Read each statement and think about how what you've learned will affect your current and future decisions. Then, in the space provided, write an "I believe" statement for each of the *Big Ideas*.

» Invest to build wealth and meet financial goals.

» When investing, diversification lowers risk.

» Employee benefits often include insurance and retirement plans.



Take Action Challenge

1 **Review:** Risk Return Ratio

The risk return ratio applies to any type of investment. Any time you invest money into something there is a risk, whether large or small, that you might not get your money back. In turn, you expect a return, which compensates you for bearing this risk. In theory, the higher the risk, the more you should receive for holding the investment, and the lower the risk, the less you should receive.

2 **Directions**

Plot the following investments on the risk return continuum below. If you've forgotten the level of risk for any of the investment types, refer to earlier in the chapter for review.

- | | |
|--------------------------------|--------------------------|
| A Money Market Accounts | D Mutual Funds |
| B Single Stocks | E Fixed Annuities |
| C Bonds | F Real Estate |



Money in Review

Matching

Match the following terms to the correct definition below.

A 401(k)	D Liquidity	G Risk
B Investment	E Mutual Fund	H Share
C IRA	F Portfolio	

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. ____ A list of your investments</p> <p>2. ____ Quality of an asset that permits it to be converted quickly into cash without loss of value</p> <p>3. ____ A piece of ownership in a company, mutual fund or other investment</p> <p>4. ____ A retirement savings plan offered by a corporation to its employees; the employee contributes money from his/her gross pay, and the money grows tax deferred</p> | <p>5. ____ Account or arrangement in which one would put their money for long-term growth</p> <p>6. ____ Degree of uncertainty of return on an asset</p> <p>7. ____ Pool of money managed by an investment company and invested in multiple companies</p> <p>8. ____ Tax-deferred arrangement for individuals with earned income; individual retirement arrangement</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Illustration

Draw a picture representation of each of the following terms.

Diversification

Stock

Multiple Choice

Circle the correct answer.

9. A single stock would be a good place to keep your emergency fund.
- A True
 - B False
10. Diversification lowers risk with investing.
- A True
 - B False
11. Long-term investments properly diversified include the following mutual funds:
- A Growth, growth and income, bond, aggressive growth
 - B Growth, balanced, international, bond
 - C International, bond, aggressive growth, growth
 - D Growth, growth and income, international, aggressive growth
12. Which of the following is a good investment option?
- A Gold
 - B Viaticals
 - C Futures
 - D Mutual funds
13. Which statement is true about liquidity?
- A The less liquid the investment, the less return
 - B The more liquid an investment, the more return
 - C The more liquid an investment, the less return
 - D Both a and b

Short Answer

Respond in the space provided.

14. Explain why you should never invest using borrowed money.
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15. Explain the risk return ratio.
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16. Why do single stocks carry a high degree of risk? Why do mutual funds carry less risk?
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17. What is the Rule of 72? How is it calculated?
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18. Is real estate a liquid investment? Explain your answer.
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