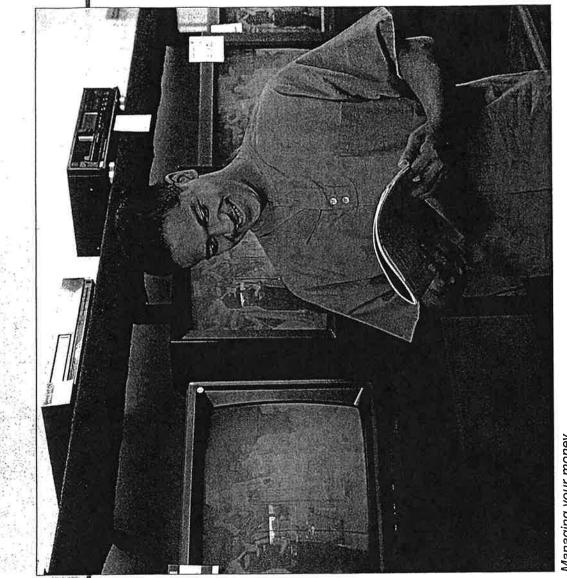
۰ 20		Hen ditter
	 write checks. The bank gives the money to whomever you wrote checks. Many banks have a minimum deposit for checking and savings accounts. Banks charge fees for checking and some savings accounts. These could include check fees, service charges, and ATM charges. When you put money in your account, you need to fill out a deposit slip.	checks. counts. se could it slip.
5	Always fill out checks carefully and clearly using a pen. Also sign and date the check. Never sign a blank check. Put money you wish to save in a savings account. Banks pay interest on your savings accounts. A bank statement is a report of how much money is in your account. Use the information to make sure your balance is correct.	and date est on nt.
н на	Vocabulary Reviewsignature cardvocabulary Reviewsignature cardvocabulary Reviewcomplete each sentence with a term from the box.Use a separate sheet of paper.receiptteceipt1. A card you sign when you open a bank account is abalance2. The amount of money in a bank account is	term from the box. pen a bank account ank account is
	savings account the withdrawal slip 3. A form used to take money out of the bank is ATM 3. A form used to take money out of the bank is ATM 4. Money kept in a bank gains interest in a 5. A shows how much money you put in or took out of your account.	out of the bank is interest in a oney you put in or
	 6. The abbreviation for "automatic teller machine" is 7. A shows how much money you are putting in the bank. 	atic teller machine" oney you are putting

	Group Activity Work with a partner to learn about checking accounts. Each partner will talk with someone who has a checking account. Find out why this person chose that bank. Does the bank pay interest on checking accounts? What fees does it charge for checking accounts? Compare and contrast the information you learn. Make a chart.	
Single (specific series)		с. С.
	Writing Activity	
н Р	 Will your money earn more interest in a checking account or in a savings account? Why? CRITICAL THINKING What things should you consider when you choose a bank? 	ja Š
	4. What are three tips for writing checks?5. What could happen if you do not keep track of the checks you write?	2
	3. When you open a checking account, what information do you need to have with you?	2
	2. What is the difference between the interest banks pay and a fee for an account?	2
12	 Tammy wrote a check to a shoe store for \$46.78. However, she only has \$17.18 in her checking account. What will happen? 	
ž	Chapter Quiz Write your answers in complete sentences.	
(All and all all all all all all all all all al		



carefully allows you to buy the things you really want. What are Managing your money some ways you can manage your money?

Learning Objectives

- Explain the information shown on a paycheck.
- Explain the information on a paycheck stub.
- Describe how to cash a paycheck.
- Describe how to set up a budget.
- Explain why it is important to stay on a budget.
 - Identify reasons why people save money.
- Explain how to manage your money.



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This is a paycheck. You may receive a paycheck once a week or once a month.

Sound Sure Bank. That is why Sound Sure Bank is the name printed on the bottom of Keith's paycheck.

The check also shows the date it was written. It was signed by Marisa Alonso. Ms. Alonso works at the store and writes its checks.

Practice

Suppose you worked for Grant's Grocery Store and wrote its checks. On a separate sheet of paper, draw a paycheck. Use a partner's name in place of Keith's. Show \$63.25 as the amount your partner is being paid. Write the amount in numbers and in words, as on Keith's paycheck. Sign the paycheck with your name in place of Ms. Alonso's. Show this paycheck to your partner. Discuss whether you put the information in the right places.

15-2 Understanding a Paycheck Stub

A filled-in form is attached to Keith's paycheck. This is the **paycheck stub**. It lists a great deal of information. When Keith gets his paycheck, he looks at the stub to be sure that it is correct. First, he checks

Grant's G	Grant's Grocery Store			2			
EMPLOYEE	CURRENT HOURS	SHOOHS	「「「「「「「「「」」」」」	CUF	CURRENT	ないたいである	Children of
NUMBER 12345	REGULAR 20 00	OVERTIME 00	Y.T.D. NET 1.70/60	FI.T. 1.8 00	FI.C.A. 9 00	STATE TAX LOCAL TAX 6 00 1 70	LOCAL TAX 1/70
CI CI	CURRENT EARNINGS	市市 日本市 日本市 日本市 日本市 日本市 日本市 日本市 日本市 日本市 日		YEAR	YEAR TO DATE	がないの日本	10 2 2 2 2 2 D
REGULAR 12000		SPECIAL 00	Y.T.D. GROSS 24000	FI.T. 36 00	F.I.C.A. 18 00	STATE TAX LOCAL TAX 1200 340	LOCAL TAX 3 40
CHECK NO.	DESCRIPTION	INOMA	VT DESCRIPTION	ION	AMOUNT	TOTAL DI	TOTAL DEDUCTIONS
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ENDING DATE	7.	5 500	5	6			34 70
01 14 01						NE	NET PAY
CHECK DATE							_
01 21 01	AUTHOF	RIZED DEDUCTIO	AUTHORIZED DEDUCTIONS AND SPECIAL PAY ELEMENTS	AY ELEMENTS			85 30
STATEMEI	STATEMENT OF EARNINGS AND DEDUCTIONS • DETACH AND RETAIN FOR YOUR RECORDS	S AND DEDUC	FIONS • DETA	CH AND RE	TAIN FOR Y	OUR REC	ORDS

This is a paycheck stub.

the "Current Hours" box. He wants to see whether it shows all the hours he worked last week. The "Current Hours" box on this paycheck is correct. It shows that Keith worked 20 hours last week, with no overtime.	Then Keith multiplies the number of hours he worked by his pay for each hour. Keith makes \$6 an hour: 20 hours times \$6 per hour is \$120.00. Keith checks the "Current Earnings" box on his paycheck stub. The amount is correct: \$120.00.	The total amount of money an employee earns is called gross pay. Look for the "Current Earnings" section on Keith's paycheck stub. It shows \$120.00, which is the total amount he earned. That is his gross pay.	But Keith received a check for only \$85.30. This is because some money was taken out of his paycheck. Money taken out of a paycheck is called a deduction .	Below are the main kinds of deductions. They are listed on Keith's paycheck stub. These deductions are all taxes. Most employees have these deductions taken out of their paychecks. Other paychecks may have other kinds of deductions.	Deductions F.I.T. Federal income tax F.I.C.A. Social security tax State tax State tax Local tax City tax	Each tax is shown twice on Keith's paycheck stub. The "Current" numbers are the total taxes only for this paycheck. The year-to-date (Y.T.D.) numbers are the total taxes he has paid so far this year. The "Total Deductions" box shows all the deductions for this paycheck: \$34.70.	The amount of money an employee receives after deductions are taken out of the gross pay is called net pay. Find the "Net Pay" box on the paycheck stub. It shows
		¥	ř	5			

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\$85.30. This is the amount of money Keith actually gets to keep. To figure net pay, subtract all deductions from the gross pay: \$120.00 - \$34.70 = \$85.30.

Practice

Answer these questions on a separate sheet of paper.

- How much money was taken from Keith's paycheck for local taxes? How much has been taken out for local taxes so far this year?
- 2. What does Y.T.D. Gross mean?

15-3 Cashing a Paycheck

When you **cash a check**, you give it to a person at a bank or a business that cashes checks. That person gives you the amount of money written on the check. Keith could go to a check-cashing business. However, he knows that he must pay a fee to this business to cash his check.

Keith wants to keep all the money he earned, so he goes to a bank. If he goes to the right bank, he can cash his check free. Keith could go to the bank named on the check. That is Sound Sure Bank. If Keith had his own checking account, he could go to his own bank. The Sound Sure Bank is near Grant's Grocery Store, so Keith goes there. The bank employee who works behind the counter is called a **teller**. The teller asks to see identification, or something with Keith's picture, signature, and name on it. The teller must be sure he is giving the money to the person whose name is on the check. Keith shows the teller his driver's license. It has his name, picture, and signature on it.

Keith must **endorse** the check. This means he must sign his name on the back of the check. The teller

Think About It

Why is it important to bring identification with you to the bank?

Everyday Tip before leaving a bank or Always count your money sure it is the right amount before he leaves the bank. Keith \$85.30 in cash. Keith counts the money to make driver's license. They look the same, so the teller gives checks Keith's signature against the signature on Keith's

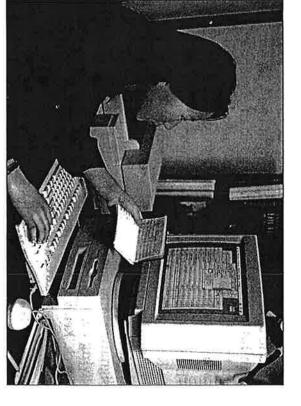
Practice

ATM machine.

On a separate sheet of paper, write two reasons why Keith was wise to use the Sound Sure Bank to cash his paycheck.

15-4 Creating a Budget

Think back to Keith's problem. He spent his money quickly and was unsure of what he had bought. Keith wants to be more careful about spending his money from this paycheck. However, he wants to buy new sneakers. Keith would use his whole paycheck if he bought the sneakers. He knows he has other **expenses**, or payments he must make. If he buys sneakers, he will not have enough money for his car payment, insurance, and gas.



Computer banking software makes it easy to keep a budget.

Keith needs to set up a **budget** to help him manage his money. A budget is a plan for spending money. A budget is a way to take control of your money. Maybe you do not have a job. The only money you have might be an allowance. A budget can still help you buy the things you want or need. Sticking to a budget will also keep you from wasting your money. You will not buy things you do not really want or need.

Setting Up a Budget

To begin making a budget, list your expenses for each week or month. Here are Keith's monthly car expenses.

car payment	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
sar insurance Fas	100 60
Total	\$280

Keith also sets aside \$50 a month for movies, snacks, and other fun things. Keith might spend more or less than \$50 on these things each month. Some of your expenses may change every month, too. However, Keith needs to stay on his budget in order to learn how to manage his money. Here are Keith's total expenses for a month.

car expenses	\$280	9		
ntertainment	50	10.00	102 302	- 64
otal in the	\$330			5.510

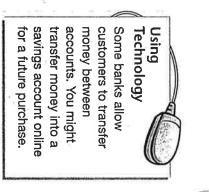
The other part of setting up a budget is figuring out your income. If Keith works 20 hours in a week, he gets a check for \$85.30 for that week. In four weeks his income will be four times \$85.30, or about \$340. However, Keith needs most of his income to pay his expenses. After Keith pays these expenses, he has only \$10 left over. See page 214.



Practice

Keith only has \$10 a month left over. Answer these questions on a separate sheet of paper.

- **1.** How many months would Keith have to save to buy sneakers that cost \$80?
- **2.** How many months would Keith have to save to buy a new tire for his car that costs \$50?



15-5 Staying on a Budget

Keith still wants to buy new sneakers. However, he wants to stay on his budget. So he will have to save for the sneakers. He must make his car payment. If he cannot make payments, the company that sold him the car will take it back.

The law says he must have car insurance. If he does not pay his insurance bill every month, his insurance will be canceled. Then Keith will not be able to drive.

If Keith really wants those sneakers, he might be able to increase his income. He could work more hours at his job on weekends. His grandmother gave him \$20 for his birthday. He can add that to his savings.

Keith could also lower his expenses. For example, he could spend less than the \$50 in his budget for entertainment and put any money he did not spend toward the sneakers. Keith must remember not to spend more than \$50 on fun things. If he spends an extra \$5 on pizza, he will have only \$5 left over that month to save for the sneakers.

Keith might also be able to save money by spending less on gas. Maybe he could walk places more often or ride with friends. He could also take the bus. If his car needs a new tire or a repair, Keith would have to spend some of the money he has saved to fix his car. Then he will have to wait even longer for his sneakers.

Different Budgets for Different Needs

As Keith knows, having a car is very expensive. He spends most of his paycheck on his car. However, Keith really enjoys having a car. He is willing to spend most of his money on it.

Keith's friend Joy does not have a car. However, she still has to make a budget for her expenses. Joy is saving money from her job for something different. She wants to go to college after she graduates from high school. Joy has set up a budget to help herself reach this goal. She wants different things than Keith does, so her budget is different from his. Here are Joy's monthly expenses.

Clothina	5 60	4 9 9 9
Entertainment	40	
Savinas for college	200	
Total	\$300	

Joy's parents earn more than she does. However, they know it is still wise to manage your money, no matter how much you have. Like Joy, they have a budget. Here are their monthly expenses.



You can use a calculator to help you balance your budget.

Total expenses	Clothing	Entertainment	Food	Credit card payment	Gasoline	Car payment	Electricity.	Home mort	111111
		ient		d payment		at	Electricity, gas, and water bills	Home mortgage payment	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
\$2,290	120	70	350	300	150	350	150	\$800	1999999999

÷.

Practice

On a separate sheet of paper, plan a budget for a teenager who earns \$400 a month. Then show your budget to a partner. Discuss how your budgets differ. Share your budgets with the class.

15-6 Planning Ahead

Together, Joy's parents earn about \$2,800 a month. After they pay their expenses of \$2,290, they have \$510 left over. Here is what they do with that \$510.

To	Sa	Sav	Sa	2
otal	vings :	vings	avings to send Joy to college	R
		lings for	to se	3
	emer	their	L pus	R
	for emergencies	their own retirement	by to	A
	es 🛛	retir	coll	R
		emei	eqe	A
60		77	6	B
5510	100	250	\$160	7
1				B
				3

Joy's parents want to pay for Joy's college. However, they must also plan ahead for their own **retirement**. Retirement is the period after a person stops working and earning income. Many people retire at the age of 65

Social Security is a government-run retirement savings program. While Joy's parents work, a certain amount of

money is taken out of their paychecks for Social Security. After Joy's parents retire and reach the age of at least 62, they will receive a check each month from the United States government. This Social Security check will help them pay some of their expenses.

However, Joy's parents know the Social Security checks will not be enough to pay for all their expenses. That is why they are saving some of their income now for their retirement in the future. Joy and Keith could start saving for their retirement now, too. It seems far away, but it is best to start saving for retirement as soon as you can.

Joy's parents also set aside money for unexpected expenses or emergencies. Joy and Keith should do that, too. Planning ahead for emergencies and unexpected needs is part of living on your own.

How Budgets Help You

Setting up a budget does not mean you have to save all your money. It does not mean you cannot buy the things you want. Instead, a budget can help you keep track of your money and learn to spend it wisely. That way, your money will not seem to disappear. Having a budget also makes you think about how you spend money. You may think of more ways to save money. You may also find ways to buy more with whatever money you have. For example, suppose you decide to spend less on movies each month in order to save more money. You might rent a videotape instead of going to a movie theater.

Setting up a budget can help you reach your goals. A budget helps you work toward your goal, step by step.

Money Decisions

Sometimes you have to make difficult decisions about money. Knowing what is important in your life will help you make these decisions.

Think About It

Why is being able to manage your money an important part of living on your own? Remember Identify your needs before you choose a job. Money may not be the most important thing.

The way you use money shows what is important to you. For example, you might decide to buy a small gift for a parent instead of something for yourself.

You might even pass up a chance to work for pay. Instead, you might volunteer by donating your time. For example, you might help at an animal shelter or a day care center.

Everyone needs some money. However, do not ever let your need for money tempt you to do things that are harmful or against your beliefs. For example, people who value honesty would not keep money they did not earn. They could not enjoy spending it.

Learning how to make decisions about money is part of preparing to live on your own. Being able to manage your money is a valuable skill. It will help you the rest of your life.

Practice and second

Suppose you earn \$50 per week. On a separate sheet of paper, write a budget for yourself. If you run short of money, how can you fix your budget?

YOU DECIDE How to Manage Money Wisely	Read the situation below. Then help Keith decide what to do.	Think back to Keith's problem at the beginning of the chapter. He was having trouble managing his money. Keith realized that he had to be more careful about what he spent his money on.	Keith still wants a new pair of sneakers that cost \$80. However, he does not want to save \$10 a month to buy them. He wants them as soon as possible so he can wear them at track practice.	Right now, business is slow at Grant's Grocery Store. That means Keith cannot work extra hours at the store to make more money. He has to think of other ways to increase his income or lower his expenses.	On a separate sheet of paper, follow the steps below to help Keith make a decision.	STEP 1 Identify the decision Keith must make.	STEP 2 List Keith's choices.	STEP 3 Cross out any choices that are harmful or might be against Keith's beliefs.	STEP 4 Think about the possible results of the remaining choices.	STEP 5 Select the best choice.	STEP 6 Explain how Keith would carry out those choices.	STEP 7 Describe the possible results of Keith's choices.	Make a Difference ·	What advice would you give Keith about saving up for the new sneakers?	D
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Businesses pay their employees with paychecks. A paycheck stub shows Summary

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earnings and deductions.

you are. A driver's license is a good document to use. To cash a check, go to a bank or check-cashing business and prove who

and income. A budget is a spending plan. To set up a budget, list your expenses

pay your expenses. Staying on your budget is important. It helps you have enough money to

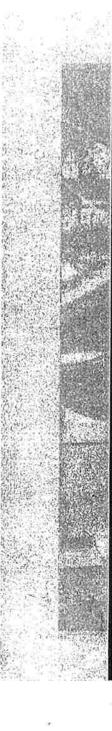
goals. People also save for retirement and for emergencies. People save money for small and large items. They save to meet their

you pay your bills and save for the things you want. Setting up a budget gives you more control over your money. It helps

Vocabulary Review

a separate sheet of paper. Write true or false. If a statement is false, change the underlined word or words to make it true. Use

- **1.** The amount an employee receives after deductions are taken out is gross pay.
- 2 A form that is attached to a paycheck is a paycheck stub.
- έ A plan for spending money is a <u>deduction</u>
- The amount of money you earn is your income.
- (J) A bank employee who works behind the counter is a teller
- 6 A government program that takes money out of each employee's paycheck is retirement
- 2 When you sign your name on the back of a check, you endorse it.



Chapter Quiz

Write your answers in complete sentences.

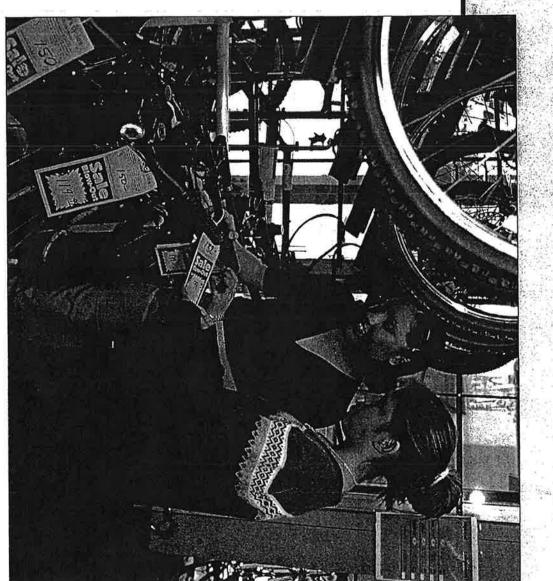
- **1.** What kind of information is on a paycheck?
 - **2.** What kind of information is shown on a paycheck stub?
- 3. Where can you go to cash a check?
- **4.** Why do banks ask people for identification before they cash their checks?
- **5.** Do you need to have a full-time job before you set up a budget? Why or why not?
- What are two things you could do if you wanted to save more money?
- **7. CRITICAL THINKING** Why should you start saving for your retirement even if you are very young?

Writing Activity

Some parents require their teens to save a certain part of their income. Do you think this is fair? Should teens be forced to save? Why or why not? Write your ideas in a paragraph on a separate sheet of paper.

Group Activity

Work with a partner to set up a budget for Pam. Pam gets an allowance of \$10 every Sunday. However, she usually spends it all by Wednesday. Pam and her friends stop for pizza every day after school. Pam always buys a slice of pizza and a soda. List ways she could have fun with her friends without spending money.



When you shop, think about the things you really need, and find the best prices for them. How can a sale help you choose what to buy?

Learning Objectives

- Explain the difference between a want and a need.
- Describe how setting up a budget can help you be
- a wise consumer.
 Identify ways that ads try to convince people to
- Identify ways that ads try to convince people to buy things.
- List things that make someone a wise consumer.
- Explain what you can do if you are not happy with a product.

chapter Jos Being annait Wise Consumer	Words to Know	want something you would like but can do without impulse a sudden act, done without thinking it through unit pricing how much a product costs per unit of weight or volume refund a return of money exchange a trade of one item for another	 warranty warranty optime optime service contract written promise by a store or company to fix a product if it breaks within a certain time You might have friends like Bonita and Shakira in the story below. They both have the same amount of money for clothing, but they spend it differently. 	When Bonita starts her new job, she looks like a fashion model. She has the newest style of skirts, shirts, and shoes, along with the latest haircut. By the end of the year, Bonita is bored with her clothes. Yet she cannot afford to buy the newer styles she wants. Shakira has enough clothes to make her happy. She never buys clothes she knows she will tire of easily. No matter where she goes, Shakira has the right thing to wear. She always looks and feels comfortable.
2 2 2 2	ii t	8		e e a

Shakira is a wise consumer. Unlike Bonita, who spends her clothing money quickly, Shakira knows how to make the most of her money. This chapter will help you learn how to become a wise consumer. You will learn when to buy and when not to buy clothes, CDs, sports equipment, or anything else.

Understanding Needs and Wants

16-

People buy things for many different reasons. They often tell themselves that they need to buy something. Yet they often just want it and do not really need it. People really need food, water, and protection from the weather. Students often need notebooks, pencils, bus fare, and lunch money.

People want many other things. Some might want in-line skates or a fancy haircut they saw in a magazine. Or they might want the latest jeans or a ticket to a concert. These are not needs. They are wants. A **need** is something you must have. A **want** is something you would like but can do without. Living without a want will not cause any harm.

Practice

On a separate sheet of paper, list three things you might need to buy. Then list three things you might want to buy. Compare your lists with a partner. Then discuss these questions.

- **1.** What should a person buy first—the things he or she needs or the things he or she wants? Why?
- 2. Do you think some people should change the way they spend their money? If so, what changes should they make?



16-2 Learning About a Budget

People have other kinds of needs besides physical ones. For example, people who buy a car need to make car payments. People who make long-distance phone calls need to pay their telephone bills. If they do not pay these bills, the companies will take back their cars or disconnect their telephone service.

Steve bought a car he wanted. Now he needs to make his car payments. The car Steve wanted has become a payment he needs to make. If you buy all the things you want, you may not have enough money for all the things you need. For example, if you spend all your money on the jeans you want, you may not have the bus fare you need to get to school or work. To avoid these problems, you can set up a budget and stick to it. Think back to Shakira from the beginning of this chapter. In August, Shakira had enough money to buy clothes for the winter. Shakira carefully looked over the clothes she



Remember A budget is a plan for spending.

already had. She decided what new clothes she needed. Then she made a budget. By keeping to her budget, she bought the clothes she needed. Her budget kept her from wasting her money on fashions she knew would quickly go out of style. They were too expensive to be in Shakira's budget.

Bonita had the same amount of money for clothes. However, Bonita did not have a budget. She started shopping by looking through fashion magazines. Then she bought the latest styles until her money ran out. It did not take long. The latest fashions were very expensive. Bonita could buy only a few things. Now her friends and family have to hear her say, "I don't have a thing to wear!"

Practice

Suppose you had \$100 in your budget to spend on clothes. How would you spend it? Explain your choices on a separate sheet of paper.



Famous people often advertise products.

Looking Closely at Ads

16-3

Bonita spends money without thinking. She lets herself be influenced by advertisements. Ad writers find many ways to get people to buy things that they may not need. Here are some ways.

- 1. Some ads try to make you feel that you should buy something because everyone else has it, and you don't want to be left out.
- 2. Some ads use famous people to sell a product. A movie star or famous model may say a certain shampoo makes her hair shiny. Some people believe what these stars say. However, the stars are actually paid to say these words. The words were written by someone at the shampoo company.

- 3. Ads for cosmetics or exercise equipment may say a product will make you more attractive than you ever expected to be. However, the models in these ads were probably attractive to begin with. Most people are never going to look like the models in the ads. It does not matter how much skin cream, make-up, or exercise equipment they buy.
- 4. Many food, drink, and cigarette ads use this message: "Use this product and you will have more fun." They show people having fun together. You are supposed to think they are having fun because they are eating a certain brand of snack or drinking a certain soda. You are not supposed to remember that too many snacks and sodas are not part of a balanced diet or that smoking cigarettes will cause health problems.
- Some ads try to give you the feeling that the people speaking are your friends and are telling the truth. These ads use ordinary, friendly people, not fashion models. The people smile and tell you they were not sure this product would work. Then they tried it, and it worked. They would not be happy without it. You need it, too. Trust them. This is not necessarily the truth. These words were written by writers, not the people who said them.
- Ads make it appear that the products will solve any problem someone might have. Most people want to solve their problems, so they buy the product. When you read or hear an advertisement, ask yourself whether it is telling the truth.



Find three examples of the kinds of ads described on pages 226 and 227. Look in magazines or newspapers. Then show the class what you found. Write whether the ads convince you to buy the products, and why.

Everyday Tip When you see an advertisement, ask yourself whether it is really telling the truth.

Becoming a Smart Shopper

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When you are thinking of buying something, ask yourself whether you need it. If you do not really need it, check your budget. After you pay for the things you need, decide whether you have enough money left over to buy the item.

After you are sure you need something, gather information about it. If you plan to buy new clothes, check out different brands. Look for brands that are comfortable and attractive. Avoid any brands that might shrink, fade, or fall apart. Choose clothes that you like.

If you ask friends which brands they like, ask why they like them. Do they like a brand because they can wear it for a long time? Do they like it because a favorite movie star wears it? Read newspaper ads. Find out if the item you want is on sale, and compare prices.



Don't let your friends talk you into buying something you really do not need.

Do not let others talk you into buying things you did not plan to buy. Later, you may be sorry you wasted your money. When you shop, go to several stores and compare prices. Look for sales. If something on your list is on sale, consider buying it. But do not buy something just because it is on sale. You might decide later that you really do not like it. Also, it might not be in your budget. You will be spending money that you need for something else.

Remember, you are not saving money if you never use, wear, or eat what you bought. Another way to make your money last longer is to shop at less expensive stores. Think about shopping at factory outlets or discount stores. These stores often sell designer clothing at lower prices. Sometimes, this clothing is not perfect. But the problem may be something no one will notice or that you can fix. Check a product carefully before you buy it.

Shopping at a Supermarket

With so many different items to choose from, a supermarket can be a confusing place. Make a list of what you need and stick to it. Avoid **impulse** buying. An impulse is a sudden act that is done without thinking it through. Supermarkets often put magazines and snacks beside the checkout lines. While people wait, they see these things and buy them on impulse. To avoid wasting money, remember your budget. If you buy things on impulse, you may not be able to buy things you really need.

Everyday Tip Try not to shop for food when you are hungry. All of the food will look good. Then you will want to buy things you do not need or want.

Another way of shopping wisely is to check the **unit pricing** on different items. Unit pricing is how much a product costs per unit of volume or weight. A unit could be an ounce, a pound, a serving, or a single item

For example, one cereal might cost \$.34 an ounce while another brand of the same cereal might cost \$.47 per ounce. Unit pricing lets you compare brands to see which costs less. You can also compare small and large packages of the same brand to see which is a better buy. You will find a product's unit pricing on a small sign on the store shelf where the product is displayed.

Stores often sell their own brands of things. Buying store brands can usually save you money. They are cheaper than the name brands. Some are just as good as other brands.

Try looking for "quick-sale" items. Many stores mark down meat or bread that must be sold quickly or be thrown away. Often you can save money by buying these items. Still, you must eat or freeze them right away. If you keep them without freezing them, they will spoil or get stale.

Buy food in large packages, which usually cost less than smaller ones. But check the unit price first to make sure it is cheaper. As soon as you get home, divide the food into meal-sized portions. Then freeze it right away.

Practice

Suppose one box of cereal weighs 24 ounces and costs \$3.60. A smaller box of the same cereal weighs 16 ounces but is on sale for \$2.24. On a separate sheet of paper, figure out which box costs less per ounce.

Think About It

Why do some people prefer to buy name brands rather than a store's own brands of food?

16-5 Stretching Your Money

When you want something, you do not always have to buy it. Borrowing from friends and family is one way to avoid spending.

For instance, if you buy a suit or a dress for a special occasion, you might wear it only once. Then it will just hang in your closet. Instead, consider borrowing something to wear from a friend. However, remember to be responsible and have the clothing cleaned before you return it. Do not forget to return it on time.

Trading is another way to save your money. Suppose you need to type a report you just wrote and you do not have a computer. However, your friend has a computer. Your friend might let you use the computer if, in return, you wash your friend's car.

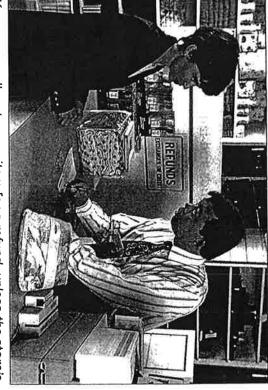
Another way to save money is to shop at secondhand stores and garage sales. Slightly used things can be good bargains. You might find a sweater or even a computer at a very low price.

When Something Goes Wrong

You may buy a product such as a pair of shoes or a hair dryer that you are not happy with when you get home. The shoes might be too small or the hair dryer might not work. You do not always have to keep these things.

You can usually take an item back to the store and get a refund, which is a return of money. Or you can ask for an exchange, which is a trade of one item for another. That way, you can get shoes that fit or a hair dryer that works. If a hair dryer does not work, you might want to try another dryer of the same kind. Then you would ask for an exchange. However, if a shirt changed colors in the wash, others like it would probably do the same thing. In that case, you should ask for a refund. Then you can buy a different kind of shirt, maybe at a different store.

Did You Know Stores are required by law to explain their return policy to customers. Always ask for this when you make a big purchase.



You can usually return an item for a refund, unless the store's policy is for exchange or credit only.

When you return something to the store, be polite. Remember that the store probably did not mean to sell you something that dces not work. Calmly explain why you do not want to keep the product. Then ask for a refund or an exchange. Be firm, but polite.

Successful Returns

Two ways to increase your chances of getting a refund are to save your sales slips and to know the return policy. A sales slip proves you bought the item from that store. It shows when you bought it and how much you paid. If you do not have the sales slip, some stores will not give you a refund or exchange for what you bought.

Other stores may give you credit toward another purchase. This means you cannot get your money back. You can get something else in the store that costs the same. You only get credit for what you paid.

Most stores insist that you have a sales slip to return an item. Some stores will allow you to return items only for a certain amount of time after you buy them. Other stores might not allow any zeturns. You have to be sure you want the item before you buy it. There is another good reason to save your sales slips. You can use them to keep track of how you have spent your money. Receipts and sales slips help you when you are making your budget.

Practice

Talk with a partner about what happened when either of you tried to return things to stores. Were you happy about how the store treated you? What could you do differently the next time? Write your experiences on a separate sheet of paper.

16-6 Reading Warranties and Service Contracts

Suppose you used a hair dryer for a month and then it stopped working. In this case, a warranty might help. A warranty is a written promise that the product will work for a certain amount of time. Some warranties are for a year.

Many products that have motors also have warranties. The warranty might be printed on the box or on a paper inside the box. Sometimes you might have to

Using Technology You can find information on extended warranties, new products, and the location of service centers, on a company's Web site.

continue to be covered under the Limited Warranty until six months from the date the purchaser, complete your attached registration form and mail the original to your purchase or receipt of the skates as a gift, your IN-Line skates will be covered by the Limited Warranty described here. Limited Warranty: Subject to registration, Completion of the warranty registration form gives you valuable rights. If you, IN-Line Skates, Inc., P.O. Box 082349, Somewhere, NJ 12345 within 10 days of the purchase of your skates from the company. Skates furnished as replacements will your new IN-Line Skates are warranted by an IN-Line dealer within six months of IN-LINE SKATES LIMITED WARRANTY of the original purchase.

This is a limited warranty for In-Line skates.

fill out a card and mail it to the manufacturer to get a warranty on what you bought.

The warranty will explain what to do if the product stops working. You might have to take it back to the store or mail it to the manufacturer. Before you buy an expensive product, read its warranty carefully. It might cover only part of the cost of repairing the product. It might be wiser to buy something with a better warranty.

You might also buy something that would cost a lot to repair, such as a stereo or an air conditioner. Then the store may offer to sell you ε service contract. A service contract promises to fix a product if it breaks within a certain time. One service contract may promise to fix the product for free if it stops working within a year. Another service contract might warranty a product for two or three years. Some contracts promise to replace parts that break, but you must pay the cost of the labor.

Think carefully before you buy a service contract. It might cost more than the actual repairs. If you do not need repairs during the time of the contract, you cannot get your money back.

Consuming Wisely

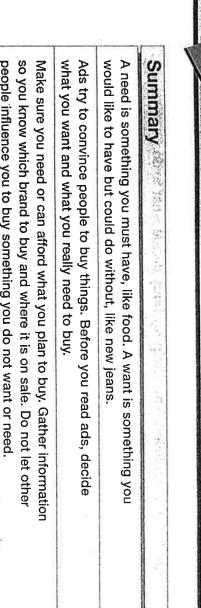
Being a wise consumer means buying what you need first. Then you can use any extra money to buy what you want. It also means remembering that ads are designed to get people to buy products. They are not written to explain anything bad about a product.

The tips in this chapter should help you make the most of your money. Learning to spend money wisely is one more way to get ready to live on your own.

Practice

Write a letter to a friend explaining the difference between a warranty and a service contract. Tell your friend when it is better to buy a service contract.

YOU DECIDE What Wise Consumers Do	Read the situation below. Then help Anthony decide what to do.	Anthony and Kurt are at the mall. Anthony has found a pair of jeans he really likes that costs \$45. Anthony has \$50 in his budget for new jeans. However, Kurt wants Anthony to buy a different pair. Kurt likes the designer pair he saw someone wear in a movie. The designer jeans are on sale today for only \$35.	On a separate sheet of paper, follow the steps below to help Anthony decide which pair to buy.		STEP 3 Cross out any choices that are harmful or might be against Anthony's beliefs. For example, telling Kurt to mind his own business would be rude.	STEP 5 Select the best choice. STEP 6 Explain how Anthony would carry out this choice.	STEP 7 Describe the possible results of Anthony's choice.	Make a Difference What advice would you give Anthony if a friend tells.him to buy something different from his own choice?
a.	ž	2 2 2 2 3	7	તે	ĸ		1	



Chapter

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Review

people influence you to buy something you do not want or need.

is important to you, such as style, cost, or fit. Be wise about buying on sale. When you shop, compare prices at several stores. Buy things based on what

what you need. Be sure to check the unit pricing of items. Avoid impulse buying. Before you go to the supermarket, make a list of

slips to make returning things easier. Before you buy anything, find out the store's return policy. Save your sales

may cost more than they are worth. Read product warranties and service contracts carefully. Service contracts

Vocabulary Review

definition below. Write a term from the list that matches each

1. a return of money

want

service contract

- a sudden act
- something you would like but can do without
- 4 a written promise that a product will work for a certain amount of time

warranty

exchange unit pricing

impulse

refund need

- (J) a trade of one item for another
- 6 something you must have
- 2 the price per unit of weight or volume
- 00 a written promise by a store or company to fix a nroduct if it breaks within a certain time

2		
141		Chapter Quiz Write your answers in complete sentences. 1. What are two examples of a need and two
	* * *	 2. What should you buy first—things that you need or things that you need 3. When should you buy something that is on sale?
÷		 4. What is the difference between a refund and an exchange? 5. Why is it important to save sales slips? 6. If a store offers you a service contract, should and an exchange of the store offers you a service contract.
a F		 You buy her why of why hold 7. CRITICAL THINKING How can taking a list to the grocery store help you save money? Writing Activity
ж - -		The United States government has laws called "truth in advertising." That means companies are not allowed to say things about their products that are not true. Find an ad that you think goes against these laws. Write a paragraph explaining what the ad says. Tell why you think the ad does not tell the truth about the product.
		Group Activity . You want to buy a new bike. Talk with a partner about four features you are looking for and four things you would do before buying the bike. Together, make a checklist of these items. Make copies of the checklist to share with the class. Compare your ideas.





Read the information below and fill in each check.

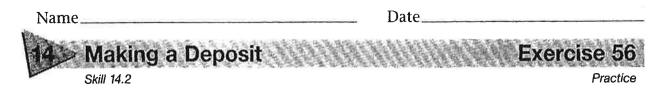
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1. Susan needs to pay for groceries that she bought at SuperStore. The total is \$23.69. Fill out this check as Susan would.

Susan Kellner		55-555/1234 7654321	NO. 14	13
3 Home Street Cincinnati, Ohio 45219		1001021	110. 1	
	DATE			
PAY TO THE			\$]
ORDER OF			Ψ[
			DO	LLARS
Sound Sure Bank				
1 Corporate Square Cincinnati, Ohio 45201				
Unerman, onio 40201				
MEMO				
10871235284 0823	101.0	11.3		

2. Susan also needs to write a check to her brother, Ken Kellner. She borrowed \$45 from Ken and is now paying him back. Fill out this check as Susan would.

Susan Keilner		55-555/1234	NO. 144
3 Home Street		7654321	NO. 1444
Cincinnati, Ohio 45219			
	DATE		
PAY TO THE			¢ []
ORDER OF			Φ
			DOLLARS
Sound Sure Bank			
1 Corporate Square			
Cincinnati, Ohio 45201			
MEMO			
10871235284 0823	101.0	L.L.	



Read the information below and answer the questions.

1. Susan wants to make a bank deposit. She is going to deposit her paycheck of \$78.90, plus \$23.50 in cash that she earned baby-sitting. She is not going to keep any cash. Fill out her deposit slip for her.

- 4	Susan Kellner	CASH	CURRENCY	
~	3 Home Street Cincinnati, Ohio 45219	CASH	COIN	
FIRMLY		LIST CHE	CKS SINGLY	
<u>ب</u>				55-555/1234
PRESS	DATE DEPOSITS MAY NOT BE AVAILABLE FOR IMMEDIATE WITHDRAWAL			7654321
	SIGN HERE FOR CASH RECEIVED (IF REQUIRED)	тс	DTAL	
ASE	Sound Sure Bank	LESS CAS	H RECEIVED	BE SURE EACH ITEM
2	1 Corporate Square Cincinnati, Ohio 45201	NET D	EPOSIT	IS PROPERL ENDORSED
	CHECKS AND OTHER ITEMS ARE RECEIVED FOR DEPOSIT SUBJECT TO OF THE UNIFORM COMMERCIAL CODE OR ANY APPLICABLE COLLECTION			

2. Susan did not baby-sit this week and is just depositing her paycheck of \$78.90. She wants to keep \$20 in cash from her paycheck. Fill out her deposit slip for her.

_	Susan Keliner 3 Home Street Cincinnati, Ohio 45219	CASH	CURRENCY COIN	
FIRMLY		LIST CHE	CKS SINGLY	55-555/1234
SS I	DATE			7654321
DEPOSIT	SIGN HERE FOR CASH RECEIVED (IF REQUIRED)	тс	DTAL	
EAS	Sound Sure Bank	LESS CAS	SH RECEIVED	BE SURE EACH ITEM
물	1 Corporate Square Cincinnati, Ohio 45201	NET D	DEPOSIT	IS PROPERLY ENDORSED
	CHECKS AND OTHER ITEMS ARE RECEIVED FOR DEPOSIT SUBJECT TO OF THE UNIFORM COMMERCIAL CODE OR ANY APPLICABLE COLLECTION	THE PROVISIC	ons NT.	



A. Susan knows she must use a check register to keep track of the money in her checking account. Fill in Susan's check register for her. Record check 143 for \$23.69 made out to SuperStore on 8/30/01, check 144 for \$45 made out to her brother Ken Kellner on 9/4/01, and Susan's bank deposit of \$102.40 made on 9/15/01.

			(-)	-	FEE	(+)		BALAN	CE
NUMBER	DATE	DESCRIPTION OF TRANSACTION	PAYME	NT	(IF ANY)	DEPOS	IT	\$ 253	64
142	8/19/01	Wall Phone Company	41	67				41	67
								211	97
	8/22/01	Deposit				78	90	78	90
								290	87
			1						_

B. Answer these questions.

- 1. What is Susan's final balance?
- **2.** Before Susan wrote check 142, was her balance higher or lower than \$211.97? Explain your answer.
- 3. What is Susan's balance on 9/5/01?
- **4.** Some check registers include a column marked "Fee, if any." What kinds of fees might this refer to?

Date.

Writing a	a Letter of Advice	E	xercise 58
Skills 14.1, 14.5			Practice

Skills 14.1, 14.5

You have received the letter below from your cousin Eric, who lives in another state. He-is-asking for your-advice about managing his money. Write back to Eric, offering some sound advice about managing his money.

Dear Cousin.

I can't decide whether to put my money in a checking account or a savings account.

I make about \$63.50 a week working part-time during the school year. I share a car with my brother and pay half of the payments and insurance. That comes to about \$180 a month I spend about \$15 a week on movies and snacks after school.

What do you think? Should I put my paycheck into a savings account? I know I would get more interest there.

Sincerely,

Eric

Dear Eric,



Here is a check that Eric received for working at Sydney's Deli. Look it over carefully. Then read the statements below. Write *true* or *false* after each statement. Then explain your choice.

Sydney's Deli	Sydney's DeliDATE24 Broad Street07/23/01Knoxville, TN 3791507/23/01	снеск NO. 1248
PAY	One Hundred and Seventy and 40/100 dollars	AMOUNT \$170.40
TO THE ORDER OF	Eric Connor 4276 Roberts Lane Knoxville, TN 37912	
SECOND CITY 1 Clarkson Driv Knoxville, TN 3	AUTHORIZED SIGNATURE OYONEY	Varner
	10817880004 0823954# 1248	

- 1. Eric lives at 24 Broad Street in Knoxville, TN. Explain your choice.
- 2. Eric must cash this check by July 23, 2001. Explain your choice.
- 3. Sydney Varner signed this check. Explain your choice.

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Pacemake

- 4. Sydney's Deli keeps its money at Second City Bank. Explain your choice.
- **5.** Because \$170.40 is written on this check twice, the check can be cashed for \$340.80. Explain your choice.
- 6. Eric wrote in the \$170.40 amount. Explain your choice.
- 7. This is Eric's 1,248th check from Sydney's Deli. Explain your choice.

Sec. 1

iname.

Date_

Understanding a Paycheck Stub Exercise 60

Skill 15.2

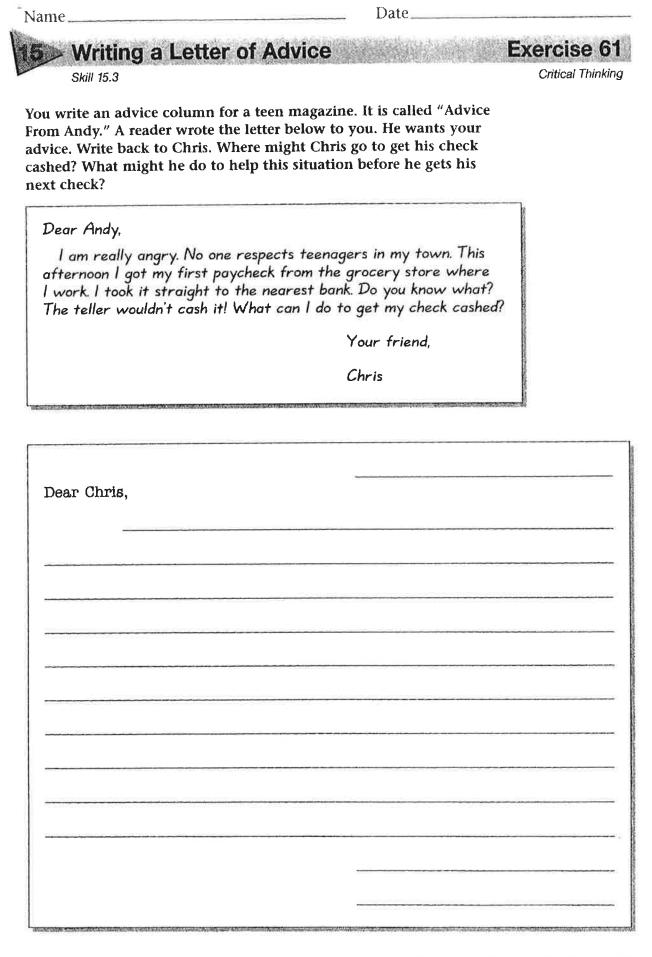
Critical Thinking

Below is Eric's paycheck stub. He earns \$6 an hour at Sydney's Deli. Study his paycheck stub carefully. Then answer the questions.

EMPLOYEE NAME	EMPLOY	EE ID			Sydney's	Deli
Conner, Eric	234-98	1009			24 Broad S Knoxville, T	
ISSUE DATE	PAY PER	IOD ENDING				14 0/010
07/23/01	07/20/0	1				
EARNINGS DESCRIPTION	HOURS	CURRENT	YTD	DEDUCTIONS DESCRIPTION	CURRENT	YTD
Weekly Pay	40	240.00	2160.00	FIT FICA State Tax City Tax	18.00 36.00 12.00 3.60	162.00 324.00 108.00 32.40
					NET PAY	170.40
STATEMEN	T OF EARN	INGS AND DE	DUCTIONS	· DETACH AND RETAIL	N FOR YOUR RECO	RDS

- 1. How many different kinds of taxes were taken out of Eric's paycheck?
- 2. Find 2160.00 under the heading YTD. What is this amount?
- 3. How much state tax has been deducted from Eric's pay so far this year?
- **4.** If Eric had worked 20 hours instead of 40 hours, what would the number under the Current heading be?
- **5.** After the deductions are subtracted, is Eric's net pay of \$170.40 correct? How do you know?

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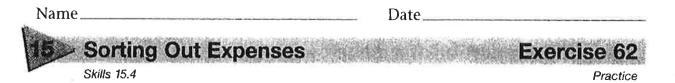


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Chapter 15 • Managing Your Money 61



Help Tony set up his budget. Read below to see how much he earns and how much he spends. List his income and expenses in the chart. Then---answer the questions that follow.

"I just got a new job. I also just got a new car. My aunt made the down payment on the car, but I have to make the monthly payments. They are \$125 a month. Then there is my car insurance. I can't avoid that, no matter how much I would like to. The insurance payment is due every six months and is about \$500.

"Even just having fun costs money. My girlfriend loves to go to the movies. One week she pays. The next week I do. We usually get ice cream afterwards. It costs me at least \$25 when it is my turn to pay.

"I forgot about gas for my car. So far, that is about \$20 a week. But I figure I can keep it down to \$15 if I try.

"I work about 15 hours a week after school. I make \$5.50 an hour clearing tables at a restaurant. But my paycheck is not \$82.50. It is only about \$65 after taxes.

"So what do you think? Will I have enough money each month?"

Tony's Monthly Expenses

14

2. Figure out whether Tony's income will cover his expenses. Tell him what you discovered.

3. Give Tony some advice about balancing his budget.

1.



Marney has just gotten a new part-time job. She will work 20 hours per week and her pay will be \$6.00 per hour. Marney asked her boss what her net pay would be, and he gave her the following information.

Each week, the following deductions will be taken out of Marney's paycheck.

Federal tax	15% of gross pay
State tax	5% of gross pay
Social Security tax	7.5% of gross pay
City tax	1.5% of gross pay

Answer the following questions about Marney's income.

1. How much money will be deducted each week for each tax?

Federal tax	
State tax	
Social Security tax	
City tax	

- 2. What will Marney's net pay be each week? _____
- **3.** Marney needs \$55.00 each week to cover her expenses. She would like to save enough money to buy a new dress for a party. The dress costs \$75, and the party is 15 weeks away. Will Marney be able to save enough to buy the dress?

4. Marney's friend tells her about another job. It pays \$7.00 per hour. The same percentages would be deducted from her check each week for taxes. She could work 20 hours per week. Should Marney take the job? Why or why not?

63

Chapter 15 • Managing Your Money



A. Suppose you had \$100 to spend on clothes. How much could you get for that \$100? Use store catalogs; store flyers, or newspaper ads to find clothing that you like. If possible, cut out pictures of the items you chose, plus their prices. Paste or describe them in the box below. Make sure the total cost of the clothing is no more than \$100.

Here is how much I could buy for \$100.

B. Answer the following questions based on what you found.

1. Should you always buy the least expensive clothing you can find? Why or why not?

2. Why might you buy one shirt that costs more than another shirt?

3. What are some good reasons *not* to buy the most expensive brand of something, such as jeans?

64 Chapter 16 • Being a Wise Consumer

Name: _____ Mrs. Cameron Due Date: _____ General Applied Math/Financial Applications

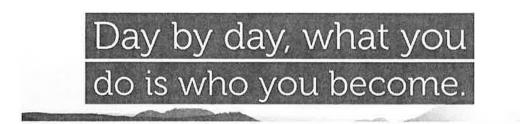
Summative Assignment Packet

In order to maintain the academic progress that you have made this year, it is important to continue to practice your math skills outside of the classroom. In this packet you will find your assignments to be completed to the best of your ability. Homework will be checked for effort and completeness. Please turn in your packet upon return to school.

Directions:

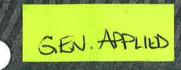
- 1. Follow the directions on each page.
- 2. Try Your Best.
- 3. Hand in your packet by March 27th, 2020.

QUOTE OF THE WEEK:



Rotational Numbers and Exponents

Lesson 4-7



The Real Number System

Circle the correct phrase to complete each septence. Explain your

Getting Started

Scan Lesson 4-7 in your textbook. Predict two things you will learn about real numbers.

•

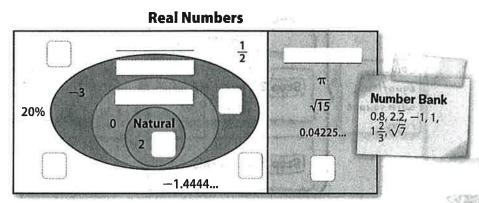


Write the following numbers as fractions in simplest form. $4\frac{1}{2}$, 0.15, $\sqrt{25}$

Vocabulary Start-Up

You have learned that rational numbers, such as $4\frac{1}{2}$, 0.15, and $\sqrt{25}$, are numbers that can be written as fractions. **Irrational numbers**, such as π and $\sqrt{15}$, are numbers that cannot be written as fractions.

Label the diagram with the terms *whole*, *integer*, *rational*, and *irrational*. Then complete the diagram using the numbers from the number bank.





Weather Meteorologists use the formula $t^2 = \frac{d^3}{216}$ to predict the time t in hours a thunderstorm will last when it is d miles across.

1. Suppose a thunderstorm is 6 miles across. Write and solve an equation to determine how long the

thunderst-orm will last.

- 2. Suppose a thunderstorm is 12 miles across. About how long will the thunderstorm last? Round to the
- nearest whole number.

_____ connectED.mcgraw-hill.com

Questions	Notes	
general PA	Identify and Compare Real Numb	ers
	Circle the correct phrase to complete reasoning.	each sentence. Explain your
	1. 0.67 is (less than, greater than) 0.67.	
	2. $\sqrt{33}$ is (less than, greater than) 6.	
	3. 2.5 is (less than, greater than) $\sqrt{8}$.	
	4. $\sqrt[3]{100}$ is (less than, greater than) 400°	%.
	an a	2
	Solve Equations	
	Solve equations with square roots.	
Summery Write 2-3 sentences to s	Step 3 Use a calculato	r
		Rate Yourself! Are you ready to move on? Sh the section that applies.
		YES ? NO
	2	Later de la construction

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Chapter Review

Vocabulary Check

Vocab

Fill in the blank with the correct vocabulary term. Then circle the word that completes the sentence in the word search.

- 1. The number 5.2×10^4 is written in notation.
- 2. The tells how many times a number is used as a factor.
- **3.** A ______ root of a number is one of its three equal factors.
- **4.** In 5⁷, the number 5 is the _____.
- 5. The square of an integer is a ______ square.
- 6. The set of ______ numbers is made up of the set of rational numbers and the set of irrational numbers.

- **7.** A sign is used to indicate a positive square root.
- **8.** A ______ root of a number is one of its two equal factors.
- **9.** A number is written in ______ form when it does not contain exponents.
- **10.** A(n) ______ is a number, a variable, or a product of a number and one or more variables.
- **11.** The number 6⁴ is a _____.

a(n) number.

12. A decimal that does not repeat or terminate is

R	J	D	F	X	D	V	S	P	0	W	E	R	H	K	S	L	.C
Т	M	J	Y	C	B	Т	Y	P	Q	C	E	W	G	M	-L	A	N
V	U	S	-	A	A	E	T a	D	S	A	A	al To	Q	U	ii la	C	J
G	R	S	L	N	S	W	V	0	- L	D	Т	P	S	R	S	al i	F
t.	D	R	D	A	E	H	Y	M	0	H	0	C	P	H	0	D	0
X	R	A	D	A	D	L	W	W	S	S	D	X	E	άH	B	A	C
N	R	R	K	F	L	H	I		W,	D	G	R	A	.F.	M	R	D
D	W	R	A	V	M	Y	id a	M	X	T	A	Y	E	P	R	o la	L
M	Z	e T a	U	T	Z	G	Q	С	K	U	C	C	X	D	L	E	M
S	9 J /8	M	IS I	0		M	U	C	Q	M	С	M	P	»E»	D	Y	P
Z	R	Z	Y	V	0	0	C	S.	U	by.	NH	G	0	D	hilli	đđ	G
C	E	U	W	P	J	E	N	E	V	B	eL9	¥Y:	N	P	0	L	P
L	A	al a	M	0	N	0	M	A	F	U	E	R	E	G	V	K	Z
E	Y	S	N	N	J		G	X	L	D	M	H	N	N	D	(d)	al.
S	С	1	E	N	T	-	F	SI)	С	L	A	Z	Т	V	B	al la	L
н	M	С	H	T	K	N	Ρ	K	C	R	W	G	M	Z	A	E	W

Key Concept Check

Use Your FOLDABLES

Use your Foldable to help review the chapter.

Description		inn fa fan de sinde	
Description			
Description		ан арана 1913 - 1913 -	

Got it?

Circle the correct term or number to complete each sentence.

- **1.** 5^{-2} is equal to $\left(-25, \frac{1}{25}\right)$.
- 2. A number that is written as a product of a power of 10 and a factor greater than or equal to 1 and less than 10 is in (scientific notation, standard form).
- **3.** You would use the (Product of Powers, Quotient of Powers) rule to simplify the expression $a^5 \cdot a^3$.
- **4.** Another way to write $\frac{x^8}{x^4}$ is (x^2, x^4) .
- **5.** $\sqrt{36}$ is equal to (6, -6).

Proportionality and Linear Relationships

Vocabulary

words.

Write the definition of proportion in your own

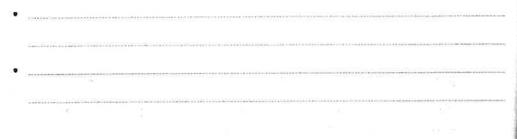
Lesson 6-1

Using the Percent Proportion

carease obort allother a set access and as two valued insurgable of fields.

Getting Started

Scan Lesson 6-1 in your textbook. Predict two things you will learn about the percent proportion.



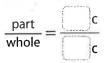


Real-World Link

Snacks With four different kinds of fruit, this healthy fruit salad recipe is the perfect lunch box or after school snack!



- 1. What is the total amount of ingredients needed to make one batch of fruit salad?
- 2. Write the ratio comparing the cups of grapes to the total cups needed.



- 3. Write the fraction from Exercise 2 as a decimal.
- **4.** Solve the proportion $\frac{3}{8} = \frac{p}{100}$.
- 5. How does your answer for Exercise 4 compare to your answer

for Exercise 3?

mage Source

6. What does the ratio $\frac{p}{100}$ represent?

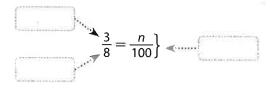
7. What percent of the trail mix are the sunflower seeds?

Notes

Questions

Percent Proportion

Label the diagram below with the terms part, whole, and percent.



Types of Percent Problems

Complete the table to show an example of each type of percent problem. The first one is done for you.

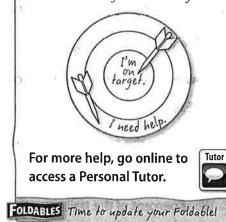
Туре	Example	Proportion
Find the Percent	6 is what percent of 12?	$\frac{6}{12} = \frac{P}{100}$
Find the Part		
Find the Whole		

Use the percent proportion to find each value.

- 1. 36 is what percent of 80?
- 2. What number is 15% of 220?

Rate Yourself!

How confident are you about using the percent proportion? Shade the ring on the target.



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Write 2-3 sentences to summarize the lesson.

Proportionality and Linear Relationships

Find Percent of a Number Mentally

Getting Started

Scan Lesson 6-2 in your textbook. List two headings you would use to make an outline of the lesson.

Quick Review

Write each percent as a decimal and as a fraction in simplest form.

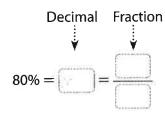
Lesson 6-2

75%	
60%	
10%	
	. (D2)

Real-World Link

Thrill Rides Do you enjoy thrill rides? *Power Tower* is a thrill ride that is 300 feet tall. Two of the towers blast riders upward and two towers drop riders downward. In both cases, passengers travel 80% of the ride's total height.

- 1. How would you find how far the riders travel on the ride?
- **2.** Compatible numbers are numbers that are easy to multiply or divide mentally. Explain how you could use compatible numbers to mentally find 80% of 300.
- 3. Write 80% as a decimal and as a fraction in simplest form.



4. Is it easier to use the decimal form of 80% or the fractional form of 80% to find 80% of 300? Explain.

How far are the riders blasted upward on the ride?

 Describe another method you could use to mentally find 80% of 300.



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And the state of the second	Notes					
Find Percent of a Number Mentally						
Describe a method you could use to mentally find 40% of use that method to find the answer.						
table to	Percent-Fraction Equivalents					
on 2.5% =		10% =				
50% =	40% =	30% =				
75% =	60% =	7.0% =				
100% =	80% =	90% =				
		- <u>-</u>				
th Percents						
ategy to estimate e	ach value. Use a di	ifferent strategy				
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1 - 2		* > * *				
	od to find the answ table to mmon on 25% = 50% = 75% = 100% = th Percents ategy to estimate estimates	od to find the answer.table to mmon onPercent-Fraction Equ $25\% = 20\% $				

Write 2–3 sentences to summarize the lesson.



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Chapter 7 Algebraic Expressions



Vocab Vocabulary

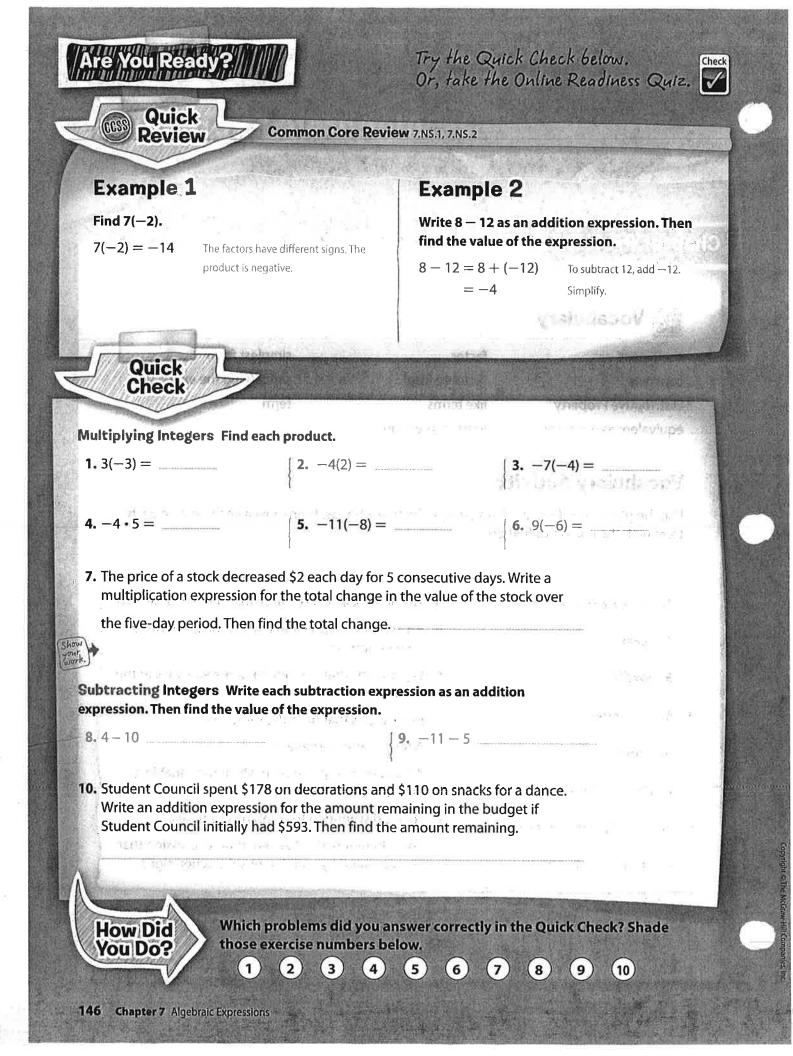
coefficient constant Distributive Property equivalent expressions factor factored form like terms linear expression simplest form simplifying the expression term

Vocabulary Activity

Use the glossary to find the definitions of the terms below. Then draw a line to match each term with the correct definition.

- 1. equivalent expressions
- 2. term
- 3. coefficient
- 4. like terms
- 5. constant
- 6. simplest form
- 7. simplify the expression
- 8. linear expression

- a. The numerical part of a term that contains a variable.
- **b.** An algebraic expression that has no like terms and no parentheses.
- **c.** Expressions that contain the same variables to the same power.
- d. Expressions that have the same value.
- e. A term without a variable.
- **f.** An algebraic expression in which the variable is raised to the first power.
- g. To use distribution to combine like terms.
- **h.** The different parts of an algebraic expression that are separated by addition or subtraction signs.



Vocabulary

Define linear expression

Lesson 7-4

Subtracting Linear Expressions

Getting Started

Scan Lesson 7-4 in your textbook. List two headings you would use to an outline of the lesson.

in your own words	•
	•



Real-World Link

Lacrosse Some of the statistics that are tracked in middle school lacrosse include goals and assists. The table shows the number of goals and assists that Jessica and Isabella scored in the first two games of the season.

	Number	of Goals	Number of Assists	
Player	Game 1	Game 2	Game 1	Game 2
Jessica	g	3	2	$\{i,j\} \in \mathbb{R}^{d}$
Isabella	. 0	2	5	a

1. Write an expression to represent the total number of goals that each player scored in the first two games.

Jessica:

Isabella:

Isabella:

- 2. Write an expression to show how many more goals Jessica scored than Isabella in the first two games. Then simplify the expression.
- **3.** Write an expression to represent the total number of assists that each player had in the first two games.

Jessica:

4. Write an expression to show how many more assists Isabella had than

Jessica in the first two games.

5. Show the steps you would use to simplify the expression you wrote in Exercise 4. Justify each step.

Questions	- Notes				
	Subtract Linear Expres	Subtract Linear Expressions			
	For Exericses 1–3, circle th given expression.	e expression that is equivalent to the			
10 (1) (1) (1) (1) (1) (1)	1. $(5x + 2) - (3x + 1)$	57 57			
	5x + 2 - 3x + 1	5x + 2 - 3x - 1			
	2. $(8c-3) - (7c-9)$				
	8c - 3 - 7c + 9	8c - 3 - 7c - 9			
	3. $(4n + 5) - (2n + 6 - 5n)$				
	4n + 5 - 2n - 6 + 5n	4n + 5 - 2n - 6 - 5n			
	4. What is one thing you wa linear expressions?	ant to remember about subtracting			
		* = * · · · * * · · ·			
and a second second second second	Solve Problems with Li				
	 The expression 2m - 1 refamily on Day 1 of a 3-day represents the total miles 	epresents the distance driven by the Nguyen y family vacation. The expression $5m + 6$			
	 The expression 2m - 1 refamily on Day 1 of a 3-day represents the total miles 	epresents the distance driven by the Nguyen y family vacation. The expression $5m + 6$ s driven on the vacation. Write and simplify a			
	 The expression 2m - 1 refamily on Day 1 of a 3-day represents the total miles subtraction expression the subtraction expression expression the subtraction expression expression	epresents the distance driven by the Nguyen y family vacation. The expression $5m + 6$ s driven on the vacation. Write and simplify a			
nnarv	 The expression 2m - 1 refamily on Day 1 of a 3-day represents the total miles subtraction expression the subtraction expression expression the subtraction expression expression	epresents the distance driven by the Nguyen y family vacation. The expression $5m + 6$ s driven on the vacation. Write and simplify a			
Differences to s	 5. The expression 2m - 1 refamily on Day 1 of a 3-day represents the total miles subtraction expression thand 3. 	epresents the distance driven by the Nguyen y family vacation. The expression $5m + 6$ s driven on the vacation. Write and simplify a nat represents the miles driven on Days 2 Rate Yourself!			
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Since to s	 5. The expression 2m - 1 refamily on Day 1 of a 3-day represents the total miles subtraction expression thand 3. 	epresents the distance driven by the Nguyen y family vacation. The expression $5m + 6$ s driven on the vacation. Write and simplify a nat represents the miles driven on Days 2 Rate Yourself! Are you ready to move on? Shad the section that applies.			
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-3 sentences to s	 5. The expression 2m - 1 refamily on Day 1 of a 3-day represents the total miles subtraction expression thand 3. 	epresents the distance driven by the Nguyen y family vacation. The expression 5m + 6 s driven on the vacation. Write and simplify a nat represents the miles driven on Days 2 Rate Yourself! Are you ready to move on? Shad the section that applies. I have guestions. I have I have Umage on the section that applies.			

d Inequalities 🛹

Chapter 8





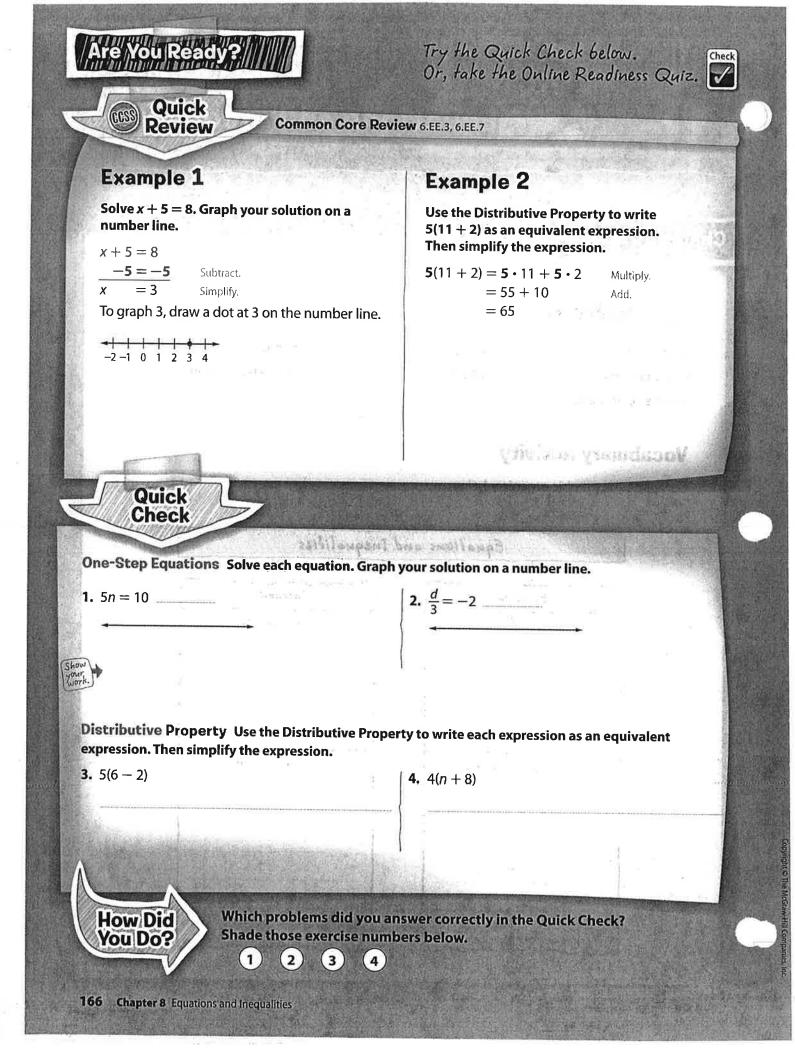
Vocabulary

empty set equivalent equations inverse operations identity null set solution two-step equation

Vocabulary Activity

Complete the graphic organizer below.

	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Equation	Inequality
Describe It	Describe It
	at 1 - 2 ⁻² 5 - 24
List Some Examples	List Some Example
	The second way



**Proportionality and Linear Relationships** 

#### Lesson 8-1

## Solving Equations with Rational Coefficients

#### **Getting Started**

Scan Lesson 8-1 in your textbook. List two real-world scenarios in which you would solve equations with rational coefficients.

#### Vocabulary

Circle the vocabulary word defined below.

A letter or symbol used to represent an unknown value.

constant variable

#### **Vocabulary Start-Up**

An equation such as 12 - 3 = 9 or 3 + 2x = 21, is a mathematical sentence that shows two expressions are equal. If an equation contains a variable, the value for the variable that makes the equation true is called a solution. For example, 9 is the solution of 3 + 2x = 21 because 3 + 2(9) = 21.

For each equation, underline the variable. Then circle the correct solution.

Equation	<b>Possible Solutions</b>		
x + 0.5 = 17	<i>x</i> = 12	<i>x</i> = 16.5	<i>x</i> = 17.5
t - 10 = -20	t = -10	<i>t</i> = 10	<i>t</i> = -30
3 <i>n</i> = 9.6	n = 3.2	n = 3.6	n = 28.2
$\frac{d}{4} = 8$	<i>d</i> = 2	$d=\frac{1}{2}$	<i>d</i> = 32

#### Real-World Link

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**Social Networks** More pre-teens and teens are participating in social networking than ever before. Three fourths of teens surveyed said they belong to a social network, compared to 40% of adults surveyed.

1. Suppose 750 teens surveyed said they belong to a social network. Let *t* represent the total number of teens surveyed and write an

equation that models this situation.

2. Suppose 500 adults surveyed said they belong to a social network. Let *a* represent the total number of adults surveyed.

Write an equation that models this situation.

Scott Quinn Photography/Stockbyte/Getty Image

Questions	Notes	
in an internet and the second	Solve Equations by Dividing	
	1. Cross out the equation that does n	ot belong.
	0.25t = 5 $-2 = -0.1x$	2.5 = -0.125 s
No comenzatione de la comenzatione de la comenzation de la come	2. What is true about the remaining e	equations?
	Solve Equations by Multiplying	
	Complete the graphic organizer to s	solve $\frac{3}{4}c = 18$ .
	Step 1 Write the equation.	
	<b>Step 2</b> Use the Multiplication Property of Equality.	
	Step 3 Write 18 as $\frac{18}{1}$ . Divide by common factors.	aline in the second sec
	Step 4 Simplify.	175 (Brits)
		a ^a ai
Summery Write 2–3 sentences to s	summarize the lesson.	Rate Yourself!
		I understand how to solve equalions with rational
and the second second second		coefficients.
		Great! You're ready to move on!
		()
		Great! You're ready to move on I still have questions about solving equations with rational coefficients.

#### **Proportionality and Linear Relationships**

# **More Two-Step Equations**

(x + 2) =

emplois the graphic area alone to yolve \$(x -

#### **Getting Started**

Scan Lesson 8-4 in your textbook. List two headings you would use to make an outline of the lesson.





Write the definition of two-step equation in your own words.

Lesson 8-4



#### Real-World Link

**Bowling** Bowling alleys typically charge for the number of games played and the rental of bowling shoes. Kofi and two friends went bowling. Their total cost for games played and shoe rental was \$48. Each person spent \$2 to rent bowling shoes and paid the same amount of money for the games played.

1. Complete the bar diagram that represents the situation.

 \$x + \$2

 --cost per person-

2. Use the bar diagram to complete the equation.

**3.** From the diagram, you can see that Kofi spent one third of the total cost. So, Kofi spent  $x + 2 = \frac{48}{3}$  or

- **4.** Suppose Kofi and three friends went bowling. If each person rented bowling shoes for \$2 and their total cost was \$56, write an equation that could represent this situation.
- 5. How could you use the equation you wrote in Exercise 4 to find the amount of money Kofi spent?

<u>UEICEREEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE</u>	GANNER KENTER IN DIT AND
Questions	Notes
	Solve Two-Step Equations
And An and a set of the set of th	Complete the graphic organizer to solve $5(x - 2) = 22$ .
	Step 1 Write the equation.
	<b>Step 2</b> Use the Division Property of Equality.
	<b>Step 3</b> Simplify.
	Step 4) Use the Subtraction Property of Equality.
· · · · · · · · · · · · · · · · · · ·	Step 5 Simplify.
	Use the Distributive Property
	1. Mrs. Sanchez is making 5 costumes for the school play. Of the \$60 she
	spent on material and supplies, Mrs. Sanchez spent \$3 per costume for buttons and zippers. Circle the equation that represents this situation. 5x + 3 = 60 $5(x + 3) = 60$
	<b>2.</b> In Exercise 1, how did you decide which equation to circle?
anonoonoonoon	· · · · · · · · · · · · · · · · · · ·
Summer	Rate Yourself!
Write 2–3 sentences to sum	marize the lesson. Are you ready to move on? Shade the section that applies.
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1.00 Pro	For more help, go online to access a Personal Tutor.
*** ***	FOLDABLES Time to update your Foldable!

176 Chapter 8 Equations and Inequalities

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**Proportionality and Linear Relationships** 

## Lesson 8-6 Inequalities

#### **Getting Started**

Write the math and the real-world definitions of inequality.

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- · math definition:
- real-world definition:

Quick R	eview
What is the each sym	he meaning of Ibol?
>	
<	

#### **Real-World Link**

Water Parks Wisconsin Dells, Wisconsin, is known as the Water Park Capital of the World. The town has 20 water parks with more than 200 waterslides and 16 million gallons of water. The table shows the admission rates for one of the parks.

Type of Ticket	Price (\$)	
Child 47 inches tall and under	25	
Adult Over 47 inches tall	35	

- 1. What is the height requirement to purchase an adult ticket?
- 2. What is the maximum height of a person that can purchase a child ticket?
- **3.** The Blackfox family is going to the park. Circle the type of ticket Mr. Blackfox needs to buy for each family member.

72 inches tall	child
64 inches tall	child
42 inches tall	child
47 inches tall	child
58 inches tall	child
	64 inches tall 42 inches tall 47 inches tall

- 4. What type of ticket did he buy for Juan? Explain.
- How tall are you? Would you need to buy an adult ticket? Explain.



Don Hammond/Design Pics

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### Write Inequalities

Write <, >,  $\leq$ , or  $\geq$  to represent each phrase. The first one has been done for you.

Inequalitie	95
Phrase	Symbol
is greater than	>
is no more than	l
is at least	
is fewer than	
exceeds	80.93 h
is no less than	
is at most	

#### **Graph Inequalities**

For each inequality, write *closed* or *open* to indicate which type of circle you would use to graph the inequality on a number line. Then indicate whether the arrow would point *right* or *left*.

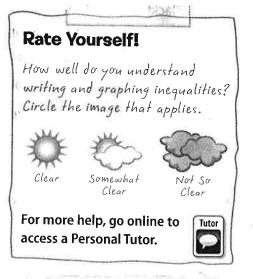
<b>1.</b> <i>x</i> ≥ −5	<b>2.</b> <i>x</i> < 12
<b>3.</b> −8 > <i>x</i>	<b>4.</b> <i>x</i> ≤ 4
<b>5.</b> <i>x</i> < -6	<b>6.</b> 3 ≤ <i>x</i>



Questions

Write 2–3 sentences to summarize the lesson.

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**Proportionality and Linear Relationships** 

# Solving Inequalities

### **Getting Started**

Scan Lesson 8-7 in your textbook. List two headings you would use to make an outline of the lesson.

Complete the propher angenizer by written threaten

### Vocabulary

Write the definition of *inequality* in your own words.

Lesson 8-7

<b>Real-World Link</b>
------------------------

**Pets** Did you know that 39% of U.S. households own at least one dog? The amount of food that you feed your dog should be based on the dog's weight. Jackson has a Labrador retriever that weighs 65 pounds and should eat no more than  $2\frac{1}{2}$  cups of dog food each day.

- 1. Which inequality symbol would you use to represent the phrase
  - no more than?
- 2. Suppose Jackson feeds his dog twice each day. If *a* represents the amount of feed he gives the dog at each feeding, what is the meaning of the inequality below?

 $2a \le 2\frac{1}{2}$ 

- **3.** Rewrite the inequality by replacing the  $\leq$  sign with =.
  - How would you solve this equation?

So, a =

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4. Replace the equals sign with the less than or equal to symbol.

 $a \leq$ 

What is the meaning of this new inequality?

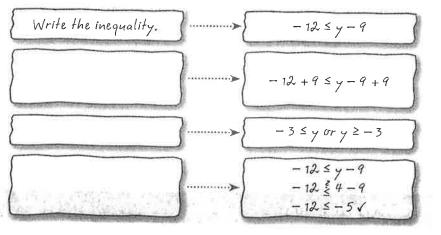
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Questions

## **Addition and Subtraction Properties**

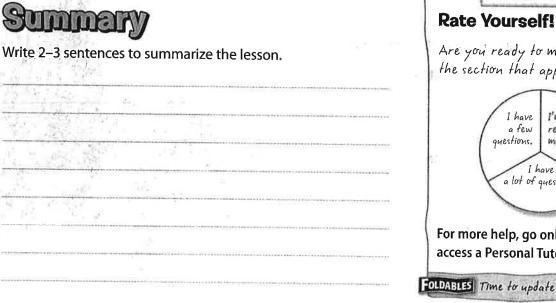
Complete the graphic organizer by writing the steps to solve the inequality.



## **Multiplication and Division Properties**

Solve each inequality. Then draw a line to match the solution to its corresponding number line.

1.  $\frac{z}{6} > 4$ a. 17 18 19 20 21 22 23 24 25 26 27 **2.**  $-3n \ge -60$ b. 17 18 19 20 21 22 23 24 25 26 27 • | | | | | ⊕ | | | ● 17 18 19 20 21 22 23 24 25 26 27 **3.**  $-2g \le -44$ C.



Are you ready to move on? Shade the section that applies. I have I'm a few ready to questions. move on. I have a lot of questions. For more help, go online to Tutor access a Personal Tutor.

FOLDABLES Time to update your Foldable!

**Proportionality and Linear Relationships** 

### Lesson 8-8

## Solving Multi-Step Equations and Inequalities

### **Getting Started**

Scan Lesson 8-8 in your textbook. Write the definitions of identity and null set.

- identity:
- null set:

Quick R	eview
	the steps for ne equation
3x + 4 =	16.
Step 1	
Step 2	<u>×</u>
Step 3	

### **Real-World Link**

**Field Trip** Mr. Murphy's class of 20 students is going on a field trip to the science center. Admission to the museum is \$8 per student and there is an additional cost of *m* dollars per student to watch the 3-D movie. The total cost for all of the students is \$270.

1. Fill in the information that you know.

cost of admission per student	l
cost of movie per student	
number of students	
total cost for all students	

- 2. What expression can be used to represent the total cost per student?
- **3.** What expression can be used to represent the total cost of admission and a movie for all students?
- **4.** Use the Distributive Property to rewrite the expression from Exercise 3 as an equivalent expression.
- 5. Using the expression for Exercise 4, write and solve an equation to find the cost of a ticket for the 3-D movie.

Q	11	0	c	f	7	15	16	e.	
2	2	U	د	ŕ	1	0	11	>	_



### Solve Multi-Step Equations

Write an equation that has a solution that is an identity. Then write an equation that has a solution that is the empty set.

identity:

null or empty set:

### Solve Multi-Step Inequalities

Complete the steps in the table to solve -4(x + 12) > -(3x + 16).

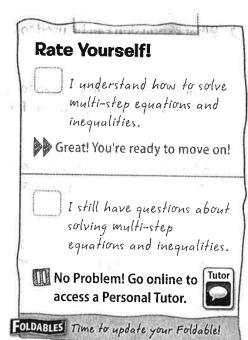
Solve Multi-Step Ir	requalities
Step 1 Write the equation.	
<b>Step 2</b> Use the Distributive Property on both sides of the equation.	
<b>Step 3</b> Add 3x to both sides of the equation.	
Step 4 Add 48 to both sides of the equation.	e for the grander
<b>Step 5</b> Multiply both sides of the equation by -1. Reverse the inequality symbol.	



Write 2–3 sentences to summarize the lesson.

31

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2		*********	1999 - 1997 - 1997 - 1998 - 1997 - 1997 - 1997 - 1998 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -



## **Chapter Review**

### **Vocabulary Check**

## Fill in the blank with the correct vocabulary term. Then circle the word that completes the sentence in the word search.

Vocab

abe

- 1. The _____ or ____ is shown by the symbol Ø.
- 2. A(n) ______ is a mathematical sentence that contains a less than or greater than symbol.
- 3. The inequality symbol must be reversed when you

multiply or divide both sides by a ______number.

4. The inequality symbol remains the same when

you multiply or divide both sides by a _______number.

- **5.** In the equation  $\frac{3}{4}x + 4 = 12, \frac{3}{4}$  is a
  - coefficient.

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6. A value for the variable that makes an equation

true is called a(n)

7. An equation that contains two steps is called

a(n)_____.

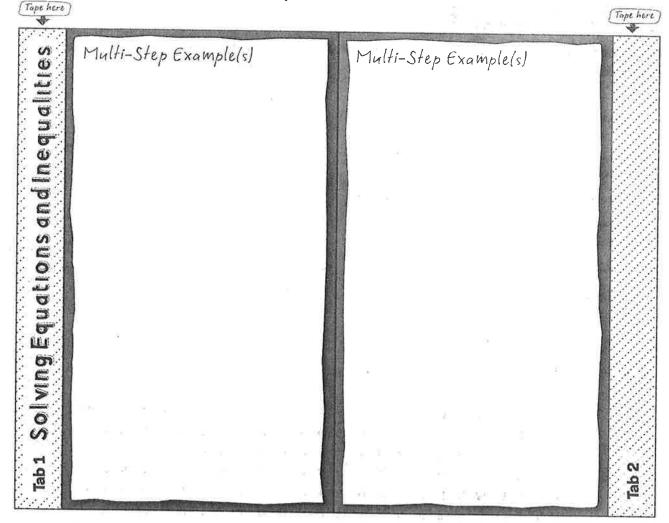
- **8.** A(n) ______ is a mathematical sentence that contains an equals sign.
- **9.** A(n) ______ is an equation that is true for every value of the variable.

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### **Key Concept Check**

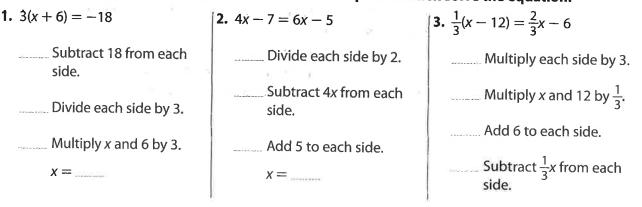


## Use your Foldable to help review the chapter.



### Got it?

Number the steps in the order needed to solve each equation. Then solve the equation.

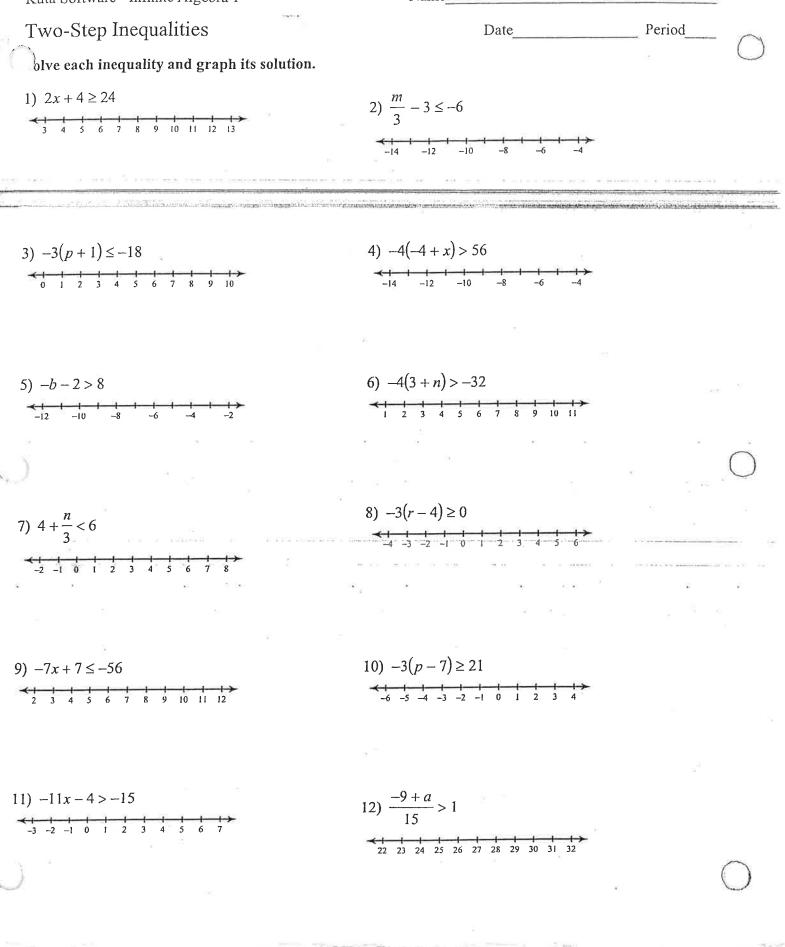


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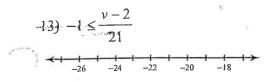
x =

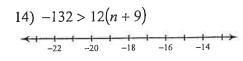
Kuta Software - Infinite Algebra 1

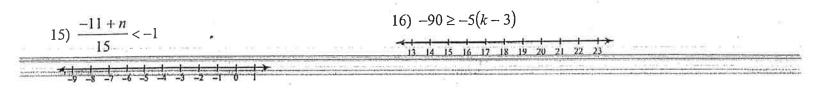
Name



-1.







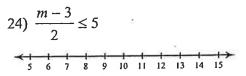
17) 
$$4 < 1 + \frac{n}{7}$$
  
18 19 20 21 22 23 24 25 26 27 28

$$18) -1 > \frac{12 + x}{4}$$

$$4 + \frac{1}{-20} + \frac{1}{-18} + \frac{1}{-16} + \frac{1}{-14} + \frac{1}{-12} + \frac{1}{-10} +$$

20) 
$$-4b - 5 > -25$$
  
 $\xrightarrow{+-1}_{-1} 0$   $1$   $2$   $3$   $4$   $5$   $6$   $7$   $8$   $9$   
22)  $\frac{-8+r}{2} > -8$   
 $\xrightarrow{+-1}_{-14} -12$   $-10$   $-8$   $-6$   $-4$ 

23) 
$$\frac{x}{-6} - 8 \le -12$$
  
 $\underbrace{\begin{array}{c} x \\ -6 \end{array}}_{22 \ 23 \ 24 \ 25 \ 26 \ 27 \ 28 \ 29 \ 30 \ 31 \ 32 \end{array}}$ 



-2-

#### Part I

Answer all 10 questions in this part. No partial credit will be allowed. Record your answers on your separate answer sheet.

- 1. Which ordered pair is *not* in the solution set of  $y > -\frac{1}{2}x + 5$  and  $y \le 3x 2$ ?
  - 1) (5,3) 3) (3,4)
  - 2) (4,3) 4) (4,4)
- 2. The sum of  $4x^3 + 6x^2 + 2x 3$  and  $3x^3 + 3x^2 5x 5$  is 1)  $7x^3 + 3x^2 - 3x - 8$  3)  $7x^3 + 3x^2 + 7x + 2$ 
  - 2)  $7x^3 + 9x^2 3x 8$  4)  $7x^6 + 9x^4 3x^2 8$
- 3. When solving the equation  $12x^2 7x = 6 2(x^2 1)$ Evan wrote  $12x^2 - 7x = 6 - 2x^2 + 2$  as his first step. Which property justifies this step?
- 1) Subtraction property of equality
- 2) Commutative property of addition
- 3) Multiplication property of equality
- 4) Distributive property of Multiplication over subtraction
- 4. Which expression results in a rational number?

1)	$\sqrt{121} - \sqrt{21}$	3) $\sqrt{36} \div \sqrt{225}$
2)	$\sqrt{25} \cdot \sqrt{50}$	4) $3\sqrt{5} + 2\sqrt{5}$

- 5. If 3ax + b = c, then x equals
- 1) c b + 3a 3) c + b 3a

$$\frac{2}{3a} \qquad \qquad 4) \quad \frac{b-c}{3a}$$

6. What is the value of x in the equation

2(x-4) = 4(2x+1)?

1)	$\frac{1}{2}$	3)	$-\frac{1}{2}$
2)	2	4)	-2

7. The following temperatures were recorded (in F°) each day for two weeks.

82, 72, 83, 75, 80, 78, 82, 73, 60, 79, 80, 78, 83, 81

What is the mean for this set of data, if the outlier is removed?

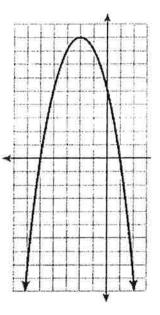
1) 75 3) 78.9

2) 77.6 4) 79.5

8. A cell phone company charges 60.00 a month for up to one gigabyte of data. The cost of additional data is 0.05 per megabyte. If *d* represents the total charges at the end of the month, which linear equation can be used to determine the user's monthly bill?

1) 
$$c = 60 - 0.05d$$
  
2)  $c = 60.05d$   
3)  $c = 60d - 0.05d$   
4)  $c = 60 + 0.05d$ 

9. A relation is graphed on the set of axes below.



Based on this graph, the relation is

(1) a function because it passes the horizontal line test

(2) a function because it passes the vertical line test

(3) not a function because it fails the horizontal line test

(4) not a function because it fails the vertical line test

10. The function g(x) is defined as  $g(x) = -2x^2 + 3x$ . The value of g(-3) is

- 1) -27 3) 27
- 2) -9 4) 45

### 11. A mapping is not a function when

- 1) Every mapping is a function
- 2) One of the inputs is mapped to more than one output

- 3) You cannot have negative inputs
- 4) If graphed, the relation would be a parabola

- 12. What is the slope intercept form of a linear equation?
  - 1) y=ax+bx+c
  - 2) y=ax+b
  - 3) y=mx+bx+c
  - 4) y=mx+b

13. Example of multiplicative identity property

- 1) 4x2=8
- 2) 4x4=16
- 3) 4x5=20
- 4)  $4x_{1}=4$

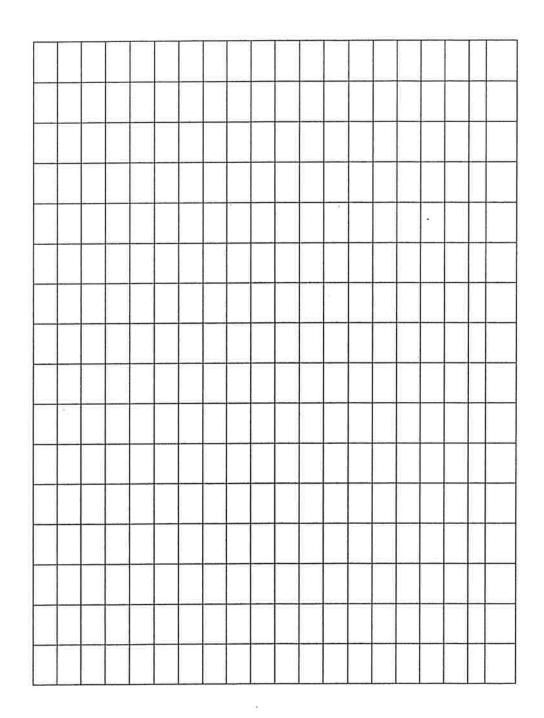
14. Additive Identity Property

- 1) a + 0 = 0 + a = a
- 2) If a = b, then a + c = b + c
- 3) a + (-a) = 0
- 4) If a=b, then b=a

### Part II

Answer the following question. Clearly indicate the necessary steps, including appropriate formula substitutions, diagrams, charts, etc. A correct numerical answer with no work shown will receive only partial credit.

15. On the set of axes below, draw the graph of the equation  $y = -\frac{3}{4}x + 3$ 



Is the point (3, 2) a solution to the equation? Explain your answer based on the graph drawn.

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8-45 x - +

# Correct _____

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6	7 x 3 =		28	7 x 7 =	
7	4 x 7 =	-	29	6 x 7 =	1
8	7 x 4 =		30	7 x 10 =	
9	5 x 7 =		31	7 x 5 =	
10	7 x 5 =	ži	32	7 x 6 =	e e
11	6 x 7 =	1994) 14 - 152	33	7 x 1 =	54 
12	7 x 6 =		34	7 x 9 =	· · ·
13	7 x 7 =		35	7 x 4 =	
14	8 x 7 =	8 1	36	7 x 3 =	
15	7 x 8 =	5 2	37	7 x 2 =	
16	9 x 7 =		38	7 x 7 =	
17	7 x 9 =		39	7 x 8 =	-
18	10 x 7 =		40	11 x 7 =	
19	7 x 10 =		41	7 x 11 =	
-20-	7 x 3 =		42	12 x 7 =	arat na managana tanahan managana
21	1 x 7 =		43	7 x 12 =	
22	2 x 7 =		44	13 x 7 =	

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6	3 x 7 =	28	5 x 7 =	
7	7 x 4 =	29	6 x 7 =	
8	4 x 7 =	30	7 x 5 =	
9	7 x 5 =	31	7 x 10 =	
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16	7 x 9 =	38	7 x 3 =	
17	9 x 7 =	39	7 x 8 =	10 10
18	7 x 10 =	40	11 x 7 =	
19	10 x 7 =	41	7 x 11 =	
20	1 x 7 =	42	12 x 7 =	
21	10 x 7 =	43	7 x 12 =	
22	2 x 7 =	44	13 x 7 =	

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Name:

А

Date:

Math Sprints 6's

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Math Sprints 6's

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	6 x5=	31	6 x11=
10	5 x6=	32	10 x6=
13	6 x6=	33	6 x6=
12	6 x7=	34	6 x7=
13	7 x6=	35	5 x6=
14	6 x8=	36	4 x6=
15	8 x6=	37	3 x6=
16	6 x9=	38	8 x6=
17	9 x6=	39	2 x6=
18	6 x10=	40	6 x11=
19	10 x6=	41	6 x1=
20	11 x6=	42	6 x7=
21	6 x11=	43	6 x8=
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# Correct

V B	Solve.				
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13	13² =		35	9² + 10² =	
14	142 =		36	3² + 12² =	
15	15² =		37	13 ² + 14 ² =	
16	82 =		38	15² + 2² =	
17	9² =		39	$4^2 - 3^2 =$	
18	7 ² =		40	$1^2 \times 3^2 =$	
19	10² =		41	3² x 2² =	
20	6² =		42	$10^2 \div 2^2 =$	
21	11² =		43	10² ÷ 5² =	
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В	Solve.	Improve	men	t	# Correct	$\sim$
1	12 =	- <u>-</u>	23	4 ² =		
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11	11² =		33	$5^2 + 8^2 =$		
12	12² =		34	$6^2 + 7^2 =$		
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14	14² =	s 4	36	$11^2 + 12^2 = -$		
15	15² =		37	13 ² + 14 ² =		
16	8² =		38	15 ² + 2 ² =		
17	7² =		39	$5^2 - 4^2 =$		
18	9² =		40	$2^2 \times 3^2 =$		
19	62 =		41	5² x 2² =		
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21	5² =		43	$10^2 \div 2^2 =$		
22	11 ² =	r V _a th a 1 _M - Sec. 5	44	13 ² x 10 ² =		( ) 

Name: _____ Mrs. Cameron Due Date: _____ General Applied Math/Financial Applications

## **Summative Assignment Packet**

In order to maintain the academic progress that you have made this year, it is important to continue to practice your math skills outside of the classroom. In this packet you will find your assignments to be completed to the best of your ability. Homework will be checked for effort and completeness. Please turn in your packet upon return to school.

Directions:

- 1. Follow the directions on each page.
- 2. Try Your Best.
- 3. Hand in your packet by March 27th, 2020.

## QUOTE OF THE WEEK:

