Unit:	Percents	
Stude	nt Handout	4

Name	 	
Date	Pd	

MULTI-STEP PERCENT APPLICATION

When solving real-world percent questions, you can ask yourself the following questions to better understand what is happening and how you should go about solving the problem.

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What information are you?	What are you for?	Does your solution make sense in the context of the problem?

Discuss each term below and label the shopping bags as an increase or decrease to the original.

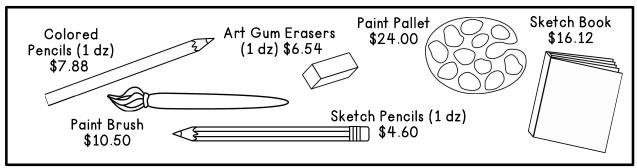


Use your understanding of percents to answer the questions below.

1. Savannah works as a sales rep and receives \$ of commission?	23.80 for every \$140 she sells. What is her rate
I KNOW:	I NEED TO KNOW:
PLAN AND WORK:	SOLUTION:

2. The shoe department is offering a sale of 15% how much were the shoes full price?	off all shoes. If	Mrs. Jeffery saved \$12.30,
I KNOW:	I NEED TO KNOW	:
PLAN AND WORK:		SOLUTION:

Anderson's Art Supply Store has created a price list. Look over the price list and answer the questions 3-6.



- 3. A customer is looking for items to get started painting. Mrs. Anderson offers her a paint pallet, a paint brush, and a sketch book. She tells the customer that if she buys all three, she will give her a 15% discount. Approximately how much will the customer save?
- 4. The last customer of the day is a loyal customer who brings in a \$15.00 off coupon. She purchases two paint brushes, one dozen colored pencils, and one sketch book. What percent did she save by using her coupon?

- 5. Mrs. Anderson pays her employees a five percent commission rate on their sales. At the end of the day, Arianna earned \$14.98 in commission. How much did Arianna sell that day?
- 6. Mr. Jamison, an art teacher, would like to purchase enough supplies to get his class stocked. He picks up 8 dozen sketch pencils, 6 dozen colored pencils, and 3 dozen art gum erasers. If the sales tax rate is 8%, approximately what will his bill be?

Solve the percent application problem below.

7. Milton read 28% of his book on Friday. On Saturday, he read 46% of his book. He plans to finish reading the book on Sunday. If the book has 350 pages in total, how many pages will Milton read on Sunday?



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Homework 4	

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MULTI-STEP PERCENT APPLICATION

Use your understanding of percentages to complete the table below. Be sure to show your work.

PROBLEM	SET-UP	WORK AND SOLUTION
1. Francis heard that a car stereo system was on sale for 30% off. If the sale price was \$57.75, what was the original price of the stereo?		
2. Mr. Robins earns a commission on each airfare he books. At the end of the day, he had booked \$208.60 worth of airfare and earned \$31.29. What is Mr. Robins' commission rate?		
3. The bill at a restaurant came to \$136.40. The patrons decided to leave a 15% tip. What was the total bill including tip?		
4. Winter coats are marked 70% off on February 1st. If a coat costs \$57.75 on January 31st, how much will it cost on February 1st?		

Answer the multiple choice question below.

5. On Friday, 280 Fry Middle School students purchase pizza in the cafeteria. Thirty-nine	
percent purchased pepperoni pizza, 26% purchased hamburger pizza, and the rest purchas	sed
cheese pizza. How many students bought cheese pizza?	

A. 182 B. 147

C. 98 D. 65