

PERCENT APPLICATIONS

Directions: Solve each problem. Round to the nearest cent when between Set 1 and Set 2, then color the picture accordingly.

SET 1

- | | | |
|---|---|---|
| 1 | Logan bought a snowboard during a sale for 18% off. If the snowboard was originally priced at \$315, how much did Logan save? | 2 |
| 3 | Bob's Used Car Sales purchases cars and then sells them to new customers with a 25% markup. If Bob's purchased a car for \$11,020, what will be the selling price of the car? | 4 |
| 5 | Drake bought a fishing rod for \$229. If the sales tax was 4.91%, what was the total he paid? | |
| 7 | Air Pods Pro are priced at \$249. How much tax would you pay if the tax rate is 5.9%? | |
| 9 | When a house sells, the real estate agent earns a commission. How much would an agent receive for a \$450,000 house if their commis | |

COLORING ACTIVITY



Applications with PERCENTS

Created by: ALL THINGS ALGEBRA®

PERCENTS APPLICATIONS

Coloring Activity

Objective: To practice percent applications including: discount, sales tax, tip, markup, commission, and simple interest.

Directions:

- 1) Copy the applications sheet and cupcake coloring picture for each student.
I typically copy the coloring sheet on the back to save paper. I have my students show all work on a separate sheet of notebook paper.
- 2) If working in partners, Partner A completes Set 1 and Partner B completes Set 2. They check with each other for matching answers in order to determine how to color the cupcake.

For example, if #1 is \$15.70 and Dark Green is \$15.70 then all 1's on the picture are dark green. If #2 is \$1,250 and Pink is \$1,250, then all 2's on the picture are pink. And so on.

This can also be done as an independent activity where each student completes both sets (20 total problems).

- 3) After solving all the problems, students can color the picture. I have them staple their work to the paper and turn in for a classwork grade.

PERCENT APPLICATIONS *Coloring Activity!*

Directions: Solve each problem. Round to the nearest cent when necessary. Identify matching answers between Set 1 and Set 2, then color the picture accordingly. **STAPLE ALL WORK TO THIS PAPER!**

SET 1			
1	Logan bought a snowboard during a sale for 18% off. If the snowboard was originally priced at \$315, how much did Logan save?	2	Audra took her mother out for food and beverages came to 4.3% and she left a 20% tip, how much did she leave in total?
3	Bob's Used Car Sales purchases cars and then sells them to new customers with a 25% markup. If Bob's purchased a car for \$11,020, what will be the selling price of the car?	4	Mr. Davis purchased a vacuum 40% off the regular price of \$24. sales tax, what was the total of paid?
5	Drake bought a fishing rod for \$229. If the sales tax was 4.91%, what was the total he paid?	6	Mia purchased a car for \$13,400. She had a down payment and to finance the rest with a 9.2% simple interest rate. How much interest will she have paid?
7	Air Pods Pro are priced at \$249. How much tax would you pay if the tax rate is 5.9%?	8	When Lamar was born, his uncle deposited \$5,000 in a savings account with a 4.5% simple interest rate. How much money will the account have when Lamar turns 18?
9	When a house sells, the real estate agent earns a commission. How much would an agent receive for a \$400,000 house if their commission was 2.7%?	10	Brayton is buying a beach cruiser priced at \$298.83 on sale for 25% off. How much did he save?

SET 2			
RED	Sierra borrowed \$9500 for 10 years with a simple interest rate of 4.5%. How much total will she have paid at the end of the loan?	ORANGE	Mikaela put \$630 into a savings account with a 6% simple interest rate. How much interest will she have earned in 18 months?
YELLOW	A grocery store buys eggs from a farmer. If the store buys the eggs for \$11.75 and marks them up 25%, how much will they charge their customers?	PURPLE	A Model S Tesla is priced at \$75,000. The dealership is offering a 5% discount due to mileage. How much money will someone save with this deal?
LIGHT BLUE	Grant is buying a batting helmet for his upcoming baseball season that costs \$67.48. If sales tax is 6%, find the cost of the helmet including tax.	LIGHT GREEN	Mr. Matthews sells fences for a living. Last month he earned \$38,525 in fencing. How much commission did he earn?
DARK BLUE	A steakhouse restaurant offers a fixed price menu for \$65 per person. They add an 18% gratuity and tax is 5.2%. How much will the final bill be for three people?	DARK GREEN	SummerTime Pools is having a sale on their swimming pools. The regular price is \$9,075. What is the sale price?
BROWN	Jake went to the mall to buy basketball shoes during a 25% off sale. If the shoes were regularly priced at \$285 and sales tax was 4.85%, how much did he spend?	PINK	Jamie bought a couch for her living room for \$2,445.99. If she had a 10% discount, how much money did she save?

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