

Mameria Gueell - Pereents

2. \$95,600

3. OMIT

4. OMIT

5. 6 calls

6. A

Breed	Number Sold	% Sold
ocker Spaniel	48	32%
German Shepherd	21	14%
Miniature Schnauzer	45	30%
Beagle	36	24%

7. A. 48%

B. 200 dramas

8. \$9,137.50

9.28%

10. 25%

11. 134 butterflies

12. \$40.25

B. 48 beagles

Algebra I- Unit 1: Topic 3- Percents							
	actice - Percents			pp 127-137			
Na	ame:	Date:	Per:				
1.	On Wednesday, Tom's Nursery received What percent of his order arrived on We		wering crabapple trees. T	om had ordered 80 tree			

- Karen received a commission of 5% on the sale of a house. If the amount of her commission was \$4780, what was the selling price of the house?
- 3. Kristi invested \$5000 in a savings account at her bank at a rate of 3.5% for 5 years.
  - a. How much interest did she earn?
  - b. What was her total at the end of 5 years?
- 4. How long would Jeff need to invest his money if he wanted to earn \$2160 in interest after depositing \$6000 in an investment account at a rate of 8%?
- 5. A police department reported that approximately 95% of the alarm calls they get each day are false alarms. If they receive 120 alarm calls in one day, about how many of them would not be false alarms?
- The labe below lists the number of dogs of each of the different breeds a store sold in one year.

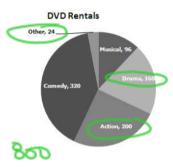
## Dog Sales

Dog sales					
Breed	Number Sold	% Sold			
Cocker Spaniel	48				
German Shepherd	21				
Miniature Schnauzer	45				
Beagle	36				

- A. Fill in the table to show the percent of each breed of dog the pet store sold in one year.
- B. Using the percentage rates you found in the table, how many beagles could the store expect to sell if they sell 200 dogs next year?

## Algebra I- Unit 1: Topic 3- Percents

7. The graph below shows DVD rentals from a Redbox kiosk during one week.



A. What percentage of rentals were not musicals or comedies?

If 1000 DVDs are rented next week, how many would you predict to be dramas?

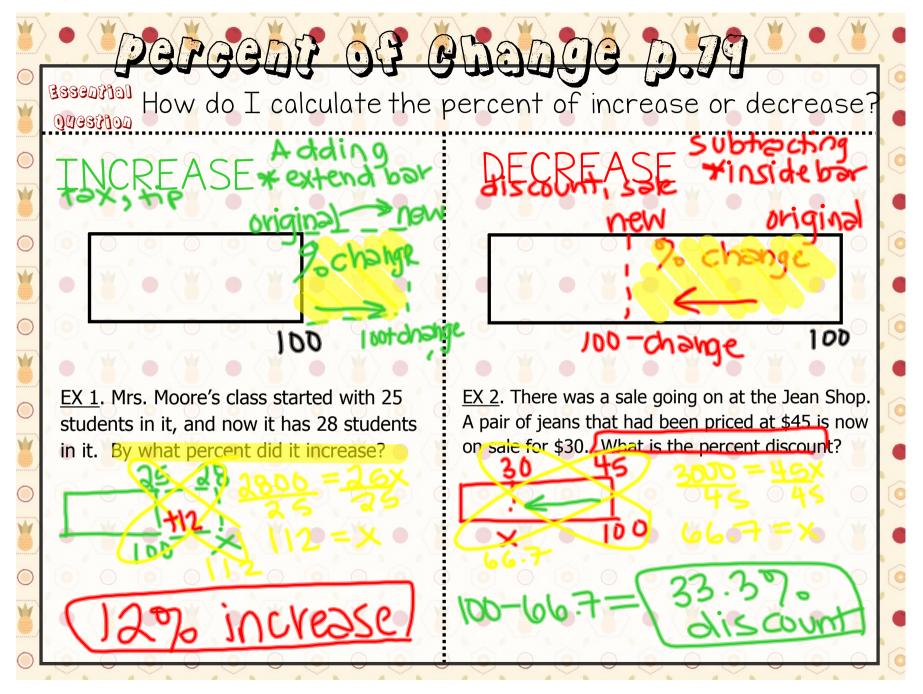


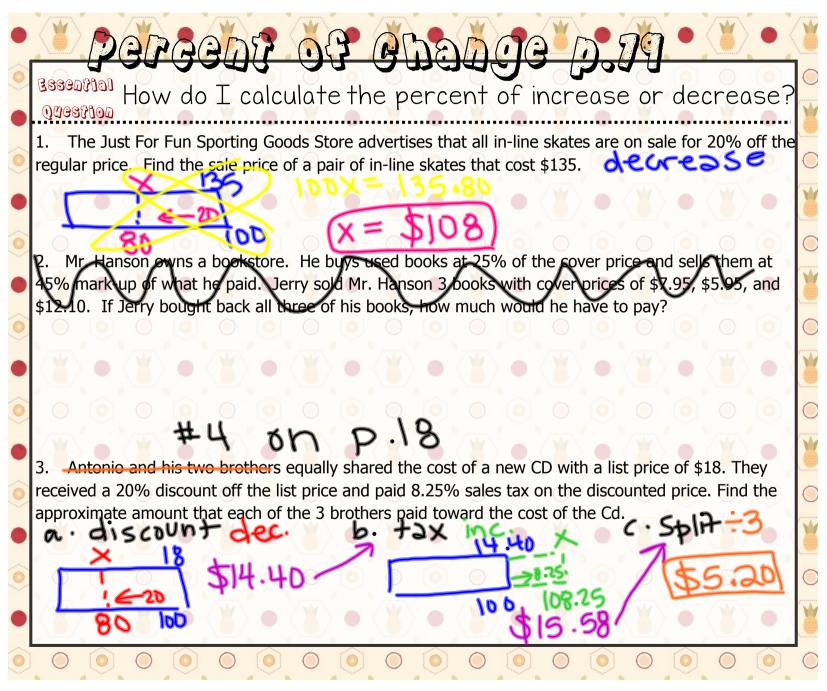
8. A car dealership is selling a used vehicle for \$8,500. What would be the price of the vehicle with a sales tax of 7.5%?



\$9137.50

- There are approximately 1,500,000 enlisted women and men in the United States military. Of this number, approximately 420,000 are over the age of 35. What is the approximate percent of enlisted personnel over the age of 35?
- 10. The East High School gym needs to be painted. The painters estimated that it would take about 20 hours for them to paint the entire gym. If they have already worked for five hours, what percent of the entire job have they finished?
- 11. Shirley's goal is to collect 200 different kinds of butterflies for her collection. So far, she has collected 67% of her goal. What is the number of butterflies she has collected?
- 12. Mr. Garcia's restaurant bill with tax was \$35.00. He wants to leave the waiter a 15% tip. How much money will Mr. Garcia leave including the tip?





## Remember: Answer key will be posted @MsKmath

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Alge	ebra I - Unit 1: Topi	c 3 – Percent of Chan	nge NC	tutorir t	na tmr	AM or PM
Pra	ctice - Percent of				pp	138-143
Nam	e		. Date		Per	_
1.	Which of these repres	ents a 15% increase?				
	B The price of movie C Alisha's hourly wag	tique went from \$60 to \$ tickets rose from \$7.20 t ge went from \$8.00 to \$9. ounds of putt-putt golf inc	to \$9.00. .20.	\$10 to \$12.50.		
2.	A book bag is on sale been marked down?	for \$19.05 down from the	e original pric	e of \$25.40. By w	hat percent has t	the book bag
3.	A movie matinee ticke \$5.00, what is the reg	t at a local theater costs ? ular price?	20% less tha	n the regular price	. If a movie mati	inee ticket costs
4.		n item was \$200. During luced to a final sale price				
5.		f a new sports video was of increase over the origi		e to demand the pr	ice was increase	d to \$87.75.
6.	Texas, decreased from	s how the number of state		t jobs held by peop	ple who live in Sa	an Antonio,
	Month January	Number of Jobs 15,400				
	January	14,800				
	July	17,000				

What percent did the number of government jobs held by people who live in San Antonio, Texas, decrease

during this time period?

ten less than twice a number

7. Juan received a raise. If his hourly wage increased from \$6.50 to \$6.89, by what percent did his hourly wage 8. A store pays \$79 for a CD player, which it then sells for \$144.30. What is the percent markup from the original price? 9. Greg is buying soft drinks for a class party. He discovers that one case of drinks costs \$6.79. However, if he buys 20 cases or more, he will receive a 10% discount. A reasonable conclusion about the price for 20 cases would be A. more than \$140 В. between \$130 and \$140 C. between \$120 and \$130 D. less than \$120 Airfare prices are predicted to increase 8% this winter. How much will a ticket to New York which now sells for \$419.90 cost this coming January? 11. Grocery prices are expected to increase 4% during the next year. Approximately how much will a family which now spends \$159.50 per week for groceries expect to pay at the increased rate? 12. On a typical day, sanitation workers collect about 170 million tons of household garbage. It is expected that the amount collected will grow approximately 2% annually over the next several years. If that forecast is correct, about how many tons of household garbage will be collected on a typical day next year? Write an expression for the verbal statement: