

Practice for Exam 3, part 2

Write each number as a fraction reduced to lowest terms, a decimal and a percent.

Fraction	Decimal	Percent
$\frac{1}{4}$.25	25%
$\frac{1}{5}$		
		50%
$1\frac{1}{2}$		
	.15	
		75%
	1.06	
		80%
$\frac{3}{8}$		

- 18% of the students who pass Math 016 go on to take Calculus. If there are 350 students enrolled in Math 016, how many take Calculus?
- You need 15% for the down payment on a car that cost \$12,000. How much money do you need for the down payment?
- The sales tax is \$15 on the purchase of a diamond ring that sells for \$500.00. What is the tax rate?
- If you get 16 out of 20 questions right on an exam, what percent did you get right?
- 4 out of 5 doctors recommend sugarless gum for their patients who chew gum. What percent recommend sugarless gum?
- Jill listed items on ebay. 21 sold and 29 did not. What percent sold?
- What percent did not sell?

8. The sales tax in Philadelphia is 7%. If a TV cost \$525, what is the price including tax?
9. A store is having a 10% off sale. If the original price of an item is \$23.50 what is the sale price?
10. If a cedar chest is on sale, marked down from \$300 to \$250, what is the rate of discount?
11. Gasoline prices go from \$1.80 to \$2.10. What percent increase is this?
12. You get 12 questions right on an exam, and a score of 80%. How many questions were on the exam?
13. You buy an mp3 player and pay \$17.50 tax, which is 7% of the cost. What is the cost of the mp3 player?
14. A restaurant wants to keep its food cost at 30%. That is, the cost of a menu item should be 30% of the sale price. If an entrée cost \$4.50 to make, how much should they sell it for?
15. After a 10% discount a shirt cost \$36.00. What was the price before the discount?
16. An item cost \$42.80 after a 7% tax. What was the cost before the tax?
17. If it takes 12 gallons of gasoline to drive 384 miles, what is the gas mileage (miles per gallon)?
18. If 24 math books weigh 37 pounds, how much do 40 books weigh?
19. An 8-pound turkey breast contains 36 servings of meat. How many pounds of turkey breast would be needed for 54 servings?
20. If a chicken and a half can lay an egg and a half in a day and a half, how many eggs can a dozen chickens lay in a week?