

Name \_\_\_\_\_

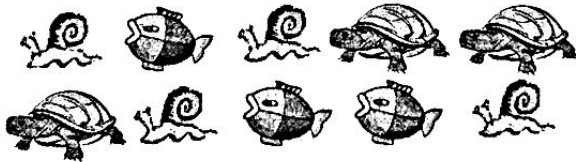
1) Frances bakes 3 cakes for a party. Each cake calls for an equal amount of flour, and she uses 7-cups of flour altogether. How much flour is there in each cake?

2) Tire Tower is having a sale. Customers can buy 4 new tires for \$359.96. What is the unit price of the tires?

3) If Frank can paint  $\frac{1}{4}$  of a wall in 15 minutes, how long will it take him to paint a room with 4 walls?

4) If  $\frac{1}{4}$  of a pizza can feed one person, how many pizzas does Ms. Kempf need to feed 10 people?

5) What is the ratio of snails to fish?



6) According to the table below, which vehicle will provide you with the *best* gas mileage?

Car	Gas tank size	Total distance on full tank	Miles per gallon
1	12	336	?
2	14	434	?
3	15	375	?

7) You babysit for some neighborhood children for a certain amount each hour. According to the table, how much do you make each hour?

Hours	Amount (\$)
3	\$13.50
4	\$18.00
5	\$22.50

8) George found a pair of shoes on sale for 30% off. The shoes were originally \$109. How much did he pay for the shoes?

9) Ashley paid \$250 for an mp3 player, the original price was \$310. The mp3 player was on sale for \_\_\_\_\_% off.

10) Jackie saved \$33 dollars on a pair of jeans. If the sale price was 60% off the regular price, what was the regular price of the jeans?

11) If the price of the chair was \$125 without tax and \$133.75 with tax, what is the tax rate?

12) Jordan buys a new book bag that is on sale for 20% off the original price is \$78. If tax is 6%, what is the total price that Jordan will pay for the book bag?

- 13) A new TV is regularly priced \$212.97 and is on sale for 35% off. What is the discount?
- 14) A car travels 350 miles in 5 hours. At the same speed how long would it take to travel 630 miles? Set up the proportion in as many ways as possible to solve the problem.
- 15) The book store pays \$6.00 a book and marks them up 80% what is the price of the book at the store?
- 16) The manufacturer's price for a tent is \$68.75. A camping store that buys the tents, sells them for \$85.94. What is the approximate percent of increase in the price of the tent?
- 17) Maria is on a diet. She weighs 165 lbs but wants to lose some weight. Each week for 4 weeks Maria loses 2.5 lbs. What is Maria's percent of decrease in weight?
- 18) Antoinette spends 27% of her pay check on groceries this week. If she worked 40 hours for 9.15 per hour, how much did Antoinette spend on groceries this week?
- 19) The sales tax in Durham county is 7%. In Wake county the sales tax is 6%. How much can you save by buying a \$1599.00 laptop in Wake county instead of Durham?
- 20) Your soccer team traveled to South Carolina for a tournament. If the rooms are \$89.00 each and the room tax is 18%. How much will it cost to get 5 rooms?
- 21) Jonathan earns \$3200 per month. His deductions amount to 35% of his paycheck. How much does Jonathan take home each month?
- 22) Morgan works selling cars for a living. If she earns a commission of \$6500 on \$145,000 worth of car sales, what was Morgan's rate of commission?
- 23) Darius wants to buy a new Play station. He compared the price of the play station at three local stores. The table displays pricing information for each Play station. Which store is offering the best deal?
- | Name of Store      | Original Cost | Special offer     |
|--------------------|---------------|-------------------|
| Jake's Electronics | \$499.00      | 10% off           |
| Electronic Deals   | \$525         | $\frac{1}{4}$ off |
| Electronics -R-Us  | \$585         | 35% off           |
- 24) Claire earns 4.5% interest on a savings account each year. If Claire deposits \$3500.00 into the savings account, how much interest will Claire earn during the first year?
- 25) Eric borrowed \$5,000 for 6 months at 6% interest from Car Loans-R-Us. At the end of the 6 month period, what is the total loan amount that John will need to repay Loans-R-Us.
- 26) Throughout the basketball season, JoAnne made 27 of 50 free throw shots. The rest of the time she missed. Approximately what percent did JoAnne miss her free throw shot?
- 27) Kay correctly answered 80% of the questions on a test. Which could be the number of questions on the test and the number of questions Kay answered correctly?
- a) 20 questions correct out of 30 questions total  
 b) 12 questions correct out of 15 questions total  
 c) 75 questions correct out of 110 questions total
- 28) In a recent quiz bowl competition, Nora answered 6 out of 8 questions correctly, April answered 73% of here questions correctly and Kathy answered 17 correctly and 5 incorrectly. Correctly order the students' percentage of correct answer from least to greatest?
- 29) Over the summer you work for a clothes store. You receive 6% commission on your sales. Today you sold 3 shirts for \$15 each, a pair of jeans for \$45, a pair of shoes for \$70 and a belt for \$12. How much money did you make in commission?
- 30) You and four of your friends go out to eat for lunch. The meal cost \$62.67 including tax. You all decide to split the check evenly and give the waiter a 20% tip, how much did they each spend?