

Basic Algebra Word Problems (continued)

- 4) 50 cars and one locomotive weigh 4825 tons. (Each car is identical.)
If the locomotive weighs 225 tons, how much does each car weigh?

- 5) A car's tank holds 16 gallons of gas. At 1 gallon, you stop at the gas station to refuel. If the car uses 3 gallons per hour, when will you refuel?

- 6) A farmer has \$755. One cow costs \$500 and a flock of chicks costs \$20.
If the farmer buys one cow, how many flocks of chicks can he afford to buy?

- 7) If 9 friends take a trip, it will cost \$810. However, during the off-season, there is a discount.
If it costs the 9 friends \$729, how much was the discount *per person*?
(Bonus: What is the *percentage* discount?)

- 8) The sum of 3 *consecutive integers* is 234. What is the middle integer?

- 9) The cable company charges \$59.95 per month plus \$4 for each movie rental.
If your cable bill is \$111.95, how many movies did you rent?