

## Fun Word Problems Sheet Ten

You must get all parts of a problem correct to get the point, so be careful and check your work!

1. You saw a wood board into 2 pieces. Find the length of the second piece if the length of the second piece is one foot less than twice the length of the first piece, and the length of the first piece is:
  - (a) 3 feet
  - (b)  $x$  feet
  
2. You saw another board into 3 pieces. The length of the second piece is 3 more than one-half of the length of the first piece, and the length of the third piece is twice the length of the second piece. Find the lengths of the second and third pieces if the length of the first piece is:
  - (a) 4 feet
  - (b) 2 inches
  - (c) 8 meters
  - (d) 3 feet
  
3. At a basketball game, tickets for non-students are \$8 per ticket and tickets for students are \$5 per ticket. If twice as many students went to the game as non-students, how much money was spent on tickets if the number of non-students was:
  - (a) 10 people
  - (b) 5 people
  - (c) 22 people
  - (d) 17 people
  - (e)  $x$  people                      (please simplify)

4. You spend all of your entertainment money for the semester on iTunes downloads and movies. Your total entertainment budget for the semester is \$180. How much money will you have left for iTunes downloads if the amount spent on movies is:

- (a) \$100
- (b) \$150
- (c) \$122.50
- (d)  $\$x$

5. The price per gallon for regular gas might increase by 17% in 2005. If it does, what will be the price per gallon at the end of the year if the price per gallon at the beginning of the year was: (Please round your answers to the nearest whole cent. For example, if your answer comes to \$3.387 per gallon, write \$3.39 per gallon.)

- (a) \$2.25 per gallon
- (b) \$2.03 per gallon
- (c) \$2.14 per gallon
- (d)  $\$x$  per gallon (please simplify)