



Name _____

Date _____

Period _____

Pre Algebra
Using Proportions

Solve each problem using a proportion.

- 1) Two concert tickets cost \$34. How much would 5 tickets cost?
- 2) 3 cans of cat food cost \$.93. How much would ten cans cost?
- 3) 3 copies of Sports Today costs \$5.85. How much would 5 copies cost?
- 4) 4 containers of yogurt cost \$2.52. How much would 6 containers cost?
- 5) 2 books of stamps cost \$16.40. How many books can you buy with \$50?
- 6) 2 packages of mints cost \$.69. How many packages can you buy for \$2.25?
- 7) The Smiths would like to redo their kitchen floor. They find that linoleum will cost \$16 per square meter. Carpeting will cost \$20 per square meter. The new kitchen floor will cost \$192 if linoleum is used. How much will it cost if carpeting is used?
- 8) It has taken Alice 30 minutes to mow a 6 meter by 32 meter strip of lawn. She still has to mow a 13 meter by 32 meter area. How long will it take her to finish the job?

- 9) The ratio of oil to vinegar in a certain salad dressing is 8 liters to 5 liters. How much oil must be blended with 7 liters of vinegar.
- 10) $4\frac{1}{3}$ cans of water must be added to a can of lemonade concentrate to make 64 ozs. of lemonade. How many cans of water are needed to make 96 ozs. of lemonade?
- 11) At Boston College the ratio of men to women is 5:4. If there are 2800 men how many women are there?
- 12) A flagpole casts a shadow 32 feet long. If a man 6 feet tall casts a shadow 8 feet long at the same time and location, how tall is the flagpole?
- 13) A yummy chocolate chip cookie recipe which calls for $3\frac{1}{2}$ cups of flour makes 5 dozen cookies. How much flour is needed to make 3 dozen cookies?
- 14) If 2 cubic feet of sand weigh 90 lbs. how much do 5 cubic feet of sand weigh?
- 15) Tootsie Pops cost \$18.50 for 35. How many could you buy if you only had \$12.50?