

**Prealgebra:
Ratios... Part 3**

Name: _____

- 1.) In the CHS Media Center, there are 5 students for every 3 adults. If there is a total of 48 people in the Media Center, how many are adults?
- 2.) At a game, there are 15 men for every 7 women. If there is a total of 34,958 people at the game, how many are men?
- 3.) At a video game store, there are 8 new games for every 3 used games. If the store has 5555 games, how many new games does the store have?
- 4.) In Ohio, for every 5 rainy days there are 6 sunny days. If we have 110 rainy days, how many sunny days do we experience?
- 5.) At a fair, there are 4 lemonade stands for every 5 hot dog stands. If you saw 232 lemonade stands at the fair, how many hot dog stands should you have seen?
- 6.) Janice notices that for every 25 minutes of television, she sees 4 commercials. How many commercials would Janice expect to see if she watched 450 minutes of TV?

- 7.) The ratio of pencils to pens in a math class is 9 to 2. If there are a total of 459 pencils in math class, how many pens would there be?
- 8.) For every 45 minutes, a group of friends plays 2 basketball games. How many games would you expect the friends to play in 315 minutes?
- 9.) A recipe calls for 5 pounds of beef for every 2 onions. If Travis follows this recipe and uses 28 onions, how many pounds of beef does he need?
- 10.) In MathLand, the fine for speeding is \$25 per every 7 miles per hour you are over the speed limit. How much faster than the speed limit was Mark going if he had to pay a \$200 fine?
- 11.) There are 5 men for every 8 women at a concert. How many women are attending if there are a total of 1690 people?
- 12.) If there are 5 dogs for every 2 cats in an animal shelter, and the shelter has a total of 1050 animals, how many are dogs?