

Ratio & Proportion -

1. If there were 7 males for every 12 females at the dance, how many females were there if there were 21 males at the dance?

Ask yourself; is there a ratio, a comparison in that problem? What's being compared?

2. David read 40 pages of a book in 5 minutes. How many pages will he read in 80 minutes if he reads at a constant rate?

3. On a map, one inch represents 150 miles. If Las Vegas and Reno are five inches apart on the map, what is the actual distance between them?

4. Bob had 21 problems correct on a math test that had a total of 25 questions, what percent grade did he earn? (In other words, how many questions would we expect him to get correct if there were 100 questions on the test?)

5. If there should be three calculators for every 4 students in an elementary school, how many calculators should be in a classroom that has 44 students? If a new school is scheduled to open with 600 students, how many calculators should be ordered?

6. If your car can go 350 miles on 20 gallons of gas, at that rate, how much gas would you have to purchase to take a cross country trip that was 3000 miles long?