

Ratio Application Problems

1. The ratio of boys to girls in the high school is found to be two to three. If a class in the school has fourteen boys, how many girls would you expect to be in the class?
2. A grower wants to have three orange trees for every five grapefruit trees. He has planted 75 orange trees and 50 grapefruit trees. To maintain his desired ratio, how many more grapefruit trees must he plant?
3. A horse eats 12 pounds of hay in 3 days. How many pounds of hay would you expect this horse to eat in 4 days?
4. The senior prom committee must have a ratio of two boys for every three girls. If the committee will have 20 members, how many girls will be on the committee?

Supplemental Ratio Problems

1. Peaches cost \$2 a dozen. Use a table to determine the following:
 - A. The cost of 5 dozen peaches.
 - B. The cost of 36 peaches.
 - C. The number of peaches you can buy for \$20.
2. The ratio of dolls to trucks in a toy box is 4 to 7. If there are 33 toys altogether, how many are dolls and how many are trucks? Use a table to find the solution.
3. On the floor plan of a kitchen, each $\frac{1}{4}$ inch represents a foot. If one of the base cabinets measures $1\frac{1}{4}$ inches on the floor plan, how wide is the cabinet in reality? Use a table to find the solution.
4. In a large city during rush hour, there are 4 empty seats to every full seat in the various forms of transportation. If there are 2,000,000 seats total, how many of them are full during rush hour? Use a table to help you find the solution.