



## Section 5.8 = Solving Ratio Problems

1. At JRS, in the first House Activity, the Cougars won 2 activities and the Leopards won 3. If the Cougars win 10 activities by Easter, how many would you expect the Leopards to win?

Cougar:Leopard

2:3

$$\frac{\text{Cougar}}{\text{Leopard}} \frac{2}{3} = \frac{10}{?} \quad ? = 15$$

2. For the Sports Meet, there are 2 coaches required for every 18 students. How many coaches would be required for 90 students?

coaches:students

$$\begin{array}{l} 2:18 \\ ? : 90 \end{array} \quad \text{OR} \quad \frac{2}{18} = \frac{?}{90} \quad ? = 10$$

3. There are 36 vehicles in the parking lot. The ratio of GM to Ford to Crysler is 2:3:1. How many of each type of vehicle is on the parking lot?

GM:Ford:Crysler:Total

2:3:1:6

multiply each  
term by 6

12:18:6:36

4. There are 100 marbles in a bag. The ratio of blue to red to white marbles is 5:2:3. How many of each type of marble is in the bag?

Blue:Red:White:Total

5:2:3:10

multiply each  
term by 10

50:20:30:100

Text Book: p. 291, #'s 4 - 18

Work Book: 122 - 123

Work Sheets: E-8, E-10, E-11