

## Ratio and Proportion

1. There are 75 girls in a junior class of 385 students. Find the ratio of boys to girls.
2. In a triangle, the ratio of the measures of three sides is 5:12:9, and its perimeter is 130 inches. Find the length of each side of the triangle.
3. The ratio of the measure of the angles of a triangle is 7:5:8. Find the measure of each angle.
4. The ratio of two complementary angles is  $\frac{1}{2} : \frac{2}{3}$ . Find the measure of each angle.

Directions: Solve each proportion.

5.  $\frac{2}{5} = \frac{x}{75}$

6.  $-\frac{2y+3}{12} = \frac{5}{4}$

7.  $\frac{x+1}{x-1} = \frac{6}{7}$

8.  $\frac{x-2}{2} = \frac{5}{x+1}$