You can set up proportions to solve word problems as well.

Example:

1) Jazmine won a pie-eating contest, eating 6 pies in 10 minutes. At that rate, how many pies can she eat in two hours?

   There are 120 minutes in two hours. So, $\frac{6}{10} = \frac{p}{120}$. Since 10 times 12 equals 120, 6 times 12 is 72. She would eat 72 pies in two hours.

You Try:

1) Matthew hiked 10 miles in 4 hours. At that rate, how far can he hike in 18 hours?

2) A recipe calls for 2.5 cups of sugar to make 12 cookies. How much sugar is needed to make 36 cookies?

3) If 16 necklaces can be bought for $40, how much will 12 necklaces cost?

4) Sebastian can correctly solve 120 multiplication problems in 2 minutes. At this rate, how long would it take him to solve 300 problems?

5) Alexandra types at a speed of 45 words per minute. How many words can she type in 10 minutes?

6) Daisy needs 1.5 cups of sugar to make 12 cupcakes. How much sugar does she need to make 48 cupcakes?