

Proportions

- 1** Find the missing number 'n' by cross multiplying.

$$\frac{n}{8} = \frac{3}{4}$$

- 2** Find the missing number 'n' by cross multiplying.

$$\frac{3}{2} = \frac{n}{12}$$

- 3** Find the missing number 'n' in this proportion by cross multiplying.

$$\frac{60 \text{ mi}}{5 \text{ hr}} = \frac{n \text{ mi}}{8 \text{ hr}}$$



- 4** A factory makes 12 bikes in 3 hours. If it keeps making bikes at the same rate, how many bikes will it have made in 8 hours? (*hint: set up a proportion.*)



- 5** If it takes 2 cups of flour to make 45 cookies, how many cups of flour will it take to make 135 cookies? (*hint: set up a proportion.*)



- 6** On a map, two cities measure 6.2 cm apart. If the scale of the map is 5 cm per 10 miles, then how many miles apart are the cities? (*hint: set up a proportion.*)

