math Antics®
Exercises

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.)*