

**Solve.**

1.  $\frac{2}{5} = \frac{6}{?}$
2.  $\frac{4}{10} = \frac{16}{?}$
3.  $\frac{?}{6} = \frac{1}{2}$
4.  $? : 3 = 50 : 30$
5.  $21 : ? = 7 : 4$

**Write as a proportion and solve for the missing number.**

1. The bookstore has a ratio of 3 math books to 1 science books. They are going to order 18 math books. How many science books should they order to keep the same ratio of books?
2. To make 48 cookies, the recipe calls for 3 cups of flour. How many cookies can Mom bake with 4 cups of flour?
3. A chef cooks 9 waffles in 15 minutes. How long will it take him to make 18 waffles?

**Solve the following.**

1. A map has a scale of 2 inches to 100 miles. If the points on the map between Harrisville and Buffalo are 8 inches apart, how far apart are the cities?
2. A map has a scale of 3 inches to 50 miles. If the cities of Strickersville and Pottsville are 150 miles apart, how far apart are the points on the map for these cities?
3. A map has a scale of 1 inch to 400 miles. If the points on the map between Carmen and Grant are 2 inches apart, how far apart are the cities?