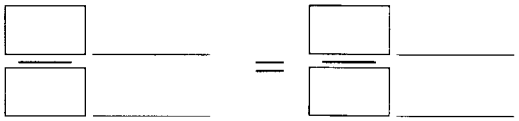
Map Applications

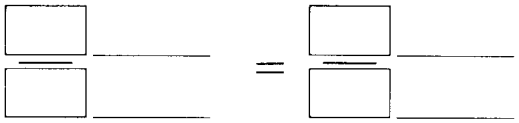
Set up proportions and solve.

1. On a map, 1 inch equals 150 miles. How far is it between two cities that are 4 inches apart on the map?



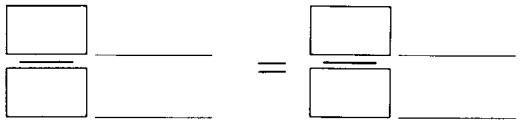
The two cities are _____ miles apart.

2. On a map, 1 inch equals 45 miles. How many inches on the map would represent 315 miles?



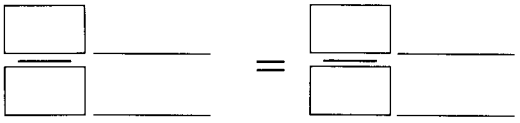
_____ inches on the map represent 315 miles.

3. If a distance of 1 inch on a map equals 75 miles, what actual distance does 3 inches represent?



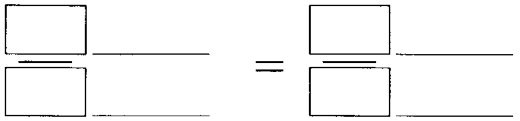
3 inches on the map represent _____ miles.

4. On a map, 2 inches equal 150 miles. What actual distance does 5 inches represent?



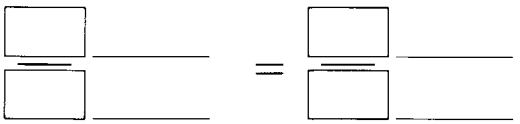
5 inches on the map represent _____ miles.

5. On a map of the United States, 2 inches equals 150 miles. How many inches will represent 375 miles?



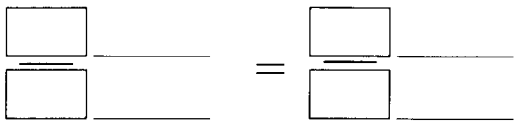
375 miles are represented by _____ inches.

6. If 1.5 inches on a map equal 20 miles, how many miles will 6 inches represent?



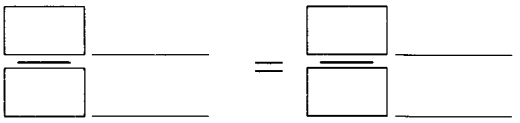
6 inches on the map represent _____ miles.

7. On a map, each inch equals 150 miles. How far is it between two cities that are 3.5 inches apart?



It is _____ miles between two cities that are 3.5 inches apart.

8. A scale drawing shows $\frac{1}{2}$ inch (think .5) equals 50 miles. 7 inches on the scale equals how many miles?



7 inches on the scale equal _____ miles.