

Name: _____ Date: _____

RATIOS AND PROPORTIONS CHALLENGE

Solve the following word problems and show all your calculations.

1. A school has a ratio of 3 teachers for every 50 students. If there are 1,200 students, how many teachers are needed?

2. A baker uses a ratio of 4 cups of sugar to 9 cups of flour. If they use 36 cups of flour, how much sugar will they need?

3. A map uses a scale of 1 inch = 25 miles. If two cities are 3.5 inches apart on the map, what is the actual distance between them?

4. In a class, the ratio of boys to girls is 5:6. If there are 33 students, how many boys and girls are there?

5. A car rental company rents vehicles with a fuel efficiency ratio of 15 miles per gallon. If a car travels 225 miles, how many gallons of fuel are used?