

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## ***Ratio and Proportion***

Directions: Solve each of the following story problems. Show your work.

The ratio of apples to oranges in a fruit basket are 3 to 5. If there are 40 apples and oranges altogether, how many apples must there be?

***15 apples***

In Mr. Wright's 2nd period math class, the ratio of students who passed the last math test to students who did not was 4 to 1. If there are 35 students in his class, how many students did not pass the test?

***7 students did not pass.***

Blake got 27 out of 30 problems correct on his math test. At that same rate, how many questions would he correctly answer on a 50 question test?

***45 questions correct***

Julie went to her garden to pick tomatoes. 4 out of 20 of her tomatoes were rotten. If Julie picked 70 tomatoes, how many of them were not rotten?

***56 tomatoes were not rotten.***

In Mrs. Stefanski's class there are 20 boys and 12 girls. What is the ratio of boys to girls expressed in simplest form?

***5:3***

Kaia has 56 pennies in her change jar and 40 dimes. What is the ratio of dimes to pennies that Kaia has in her jar?

***5:7***

Rex's room is shaped like a rectangle. He decided to make a scale drawing of his bedroom. The ratio of the longer side compared to the shorter side of his drawing is 10 inches to 7 inches. If the actual length of the longer side of Rex's bedroom is 15 ft., How long must the shorter side be?

***10.5 ft.***

At Quiet Meadows Middle School, there are 950 students and 50 teachers. What is the ratio of students to teachers expressed in lowest terms?

***19:1***