

Ratios and Proportions

1. Express the ratio in this sentence as a fraction: "9 out of 10 times, I'm right."
2. Convert the following part-to-part ratio to a part-to-whole ratio, then solve the problem:

At a petting zoo, there are 3 llamas for every 5 goats. If there are 120 llamas and goats at the petting zoo, how many of the animals are llamas?

3. Convert the following part-to-part ratio to a part-to-whole ratio, then solve the problem:

For every six answers on a test that Will got right, he got two answers wrong. If there were 72 questions on the test, how many answers did Will get wrong?

4. Use a proportion to solve the following problem.

A muffin recipe that makes 30 muffins requires 2 cups of flour. How much flour would be required if the recipe was expanded to make 40 muffins?

Answers: 1) $\frac{9}{10}$ 2) 45 3) 18 4) $2\frac{2}{3}$ cups