Name _____ Date_____

1. A bookstore sells four non-fiction books for every 12 fiction books sold.

   a. What is the *ratio* of fiction books sold to non-fiction books sold?

   b. Write this ratio as a *unit rate* of fiction books to non-fiction books.

   c. Explain how you found the unit rate.

   d. Explain what the unit rate means within the context of this problem.

2. For every three books that Emily reads, Julia reads six books.

   a. What is the *ratio* of books read by Emily to books read by Julia?

   b. Write this ratio as a *unit rate* comparing Emily to Julia.

   c. Explain what the unit rate means within the context of this problem.

Name _____ Date_____

Terrance, Jackie, and Richard ride bikes together every Saturday morning. Each of the statements below provides some information about the rate at which each can ride. Decide if each rate is a unit rate. Explain.

A. Terrance rode his bike 5 miles an hour.

B. Jackie rode her bike at a rate of 10 miles per 2 hours.

C. Richard rode his bike 1 mile in $\frac{1}{5}$ of an hour.

Name _____ Date_____

Jasmine and Scott want to chart their reading rates to see how much they improve each quarter. Below are the results for their first quarter tests. Write their results as unit rates.

1. Jasmine can read 120 words per minute.

2. It takes Scott one minute to read 130 words.