

University of South Carolina
Math 221: Math for Elementary Educators
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Section 001
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Quiz 1

1. Give an example of
 - a. a real number that is not a rational number.
 - b. a rational number that is not an integer.
 - c. an integer that is not a whole number.
 - d. a whole number that is not a natural number.

2. For each of the following word problems
 - a. tell what operation is involved (+, −, ×, or ÷),
 - b. give the name of an appropriate model for the problem, and
 - c. draw a picture demonstrating the solution.
 - i. Austin distributes 15 shots of tequila among 3 people (himself included). How many shots does each person receive?

ii. It takes Austin only 10 seconds to finish his shots, while it takes Kenny 15 seconds. How much longer does it take Kenny than Austin?

iii. Later in the evening, everyone's empty shot glasses are stacked in towers on the bar. There are 5 towers with 6 shot glasses in each. How many shot glasses are on the bar?