**Instructions**: Show all work. Partial credit can only be given where work is shown. Be sure to answer all parts of each question. You may not use a calculator on this quiz.

- 1. For each of the fractions  $\frac{7}{8}$ ,  $\frac{4}{5}$ ,  $\frac{7}{9}$ ,
  - a. determine whether the decimal form is terminating or repeating
  - b. place in the order smallest to largest.

2. Estimate  $14,897 \div 750$  by rounding to compatible numbers (try to keep your estimate as close as possible to the true value). Explain your reasoning.

3. Write the decimal  $0.\overline{123}$  as a fraction in lowest terms.

4. Simplify  $\frac{1.357 \times 10^{-27}}{2.3 \times 10^{-3}}$ .