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.

$$|50000 \pm 7500| = |5000 \pm 75| = |5000 \pm 75|$$

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

$$\frac{|23|}{999} = \frac{41}{333}$$

4. Simplify $\frac{1.357 \times 10^{-27}}{2.3 \times 10^{-3}}$. = 5.9 × 10 - 25