1. Which inequalities are true? Mark all that apply.
   - A. $0.21 < 0.27$
   - B. $0.4 > 0.45$
   - C. $3.21 > 0.20$
   - D. $1.9 < 1.90$
   - E. $6.2 > 6.02$

2. Luke lives 0.4 kilometer from a skating rink. Mark lives 0.25 kilometer from the skating rink.

   **Part A**
   Who lives closer to the skating rink? Explain.
   
   *Mark; Possible explanation: 0.4 is 4 tenths and 0.25 is 2 tenths 5 hundredths. Compare the tenths. Since 4 tenths > 2 tenths, Luke lives farther from the rink, so Mark lives closer.*

   **Part B**
   How can you write each distance as a fraction? Explain.
   
   *Possible answers: 0.4 = \( \frac{4}{10} \) and 0.25 = \( \frac{25}{100} \); Possible explanation: 0.4 is the same as 4 tenths and 0.25 is the same as 25 hundredths.*

   **Part C**
   Luke is walking to the skating rink to pick up a practice schedule. Then he will walk to Mark's house. Will he walk more than one kilometer or less than one kilometer? Explain.
   
   *Less than a kilometer; Possible explanation: \( \frac{4}{10} < \frac{5}{10} \) or \( \frac{1}{2} \) and \( \frac{25}{100} < \frac{50}{100} \) or \( \frac{1}{2} \). Therefore, \( \frac{4}{10} + \frac{25}{100} < \frac{1}{2} + \frac{1}{2} \). Since \( \frac{1}{2} + \frac{1}{2} = 1 \), I know that \( \frac{4}{10} + \frac{25}{100} < 1 \).*

3. For numbers 3a–3b, choose the symbol that makes the statement true.
   
   3a. $0.2$ _> _ $0.25$
   
   3b. $4.8$ _< _ $4.68$

4. Gene lives 0.6 mile from school. Kate lives 0.51 mile from school.

   **Part A**
   Who lives closer to school? Explain.
   
   *Kate; Possible explanation: 0.6 is 6 tenths and 0.51 is 5 tenths 1 hundredth. If I compare the tenths, I find that 6 tenths > 5 tenths. Gene lives farther from the school, so Kate lives closer.*

   **Part B**
   How can you write each distance as a fraction? Explain.
   
   *Possible answers: 0.6 = \( \frac{6}{10} \) and 0.51 = \( \frac{51}{100} \); Possible explanation: 0.6 is the same as 6 tenths and 0.51 is the same as 51 hundredths.*

   **Part C**
   Gene is walking to school to get a book he forgot. Then he will walk to Kate's house. Will he walk more than 1 mile or less than 1 mile? Explain.
   
   *More than a mile; Possible explanation: \( \frac{6}{10} > \frac{5}{10} \) or \( \frac{1}{2} \) and \( \frac{51}{100} > \frac{50}{100} \) or \( \frac{1}{2} \). So \( \frac{6}{10} + \frac{51}{100} > \frac{1}{2} + \frac{1}{2} \). Since \( \frac{1}{2} + \frac{1}{2} = 1 \), I know that \( \frac{6}{10} + \frac{51}{100} > 1 \).*