Name ..... Date ..... Core .....

Comparing Bits and Pieces II **Practice** Test

1. Write each of the following ratios as a fraction, decimal, and percent.

Ratio	Fraction	Decimal	Percent
40 days out of 100 days			
15 correct out of 20 problems			
4 out of 5 games won			
20 out of 50 mountain bikes			

2. The ratio of males to total students in a mathematics class is 15 to 25.

a. What **fraction** of the class is male? What **percent** is male?

b. What **fraction** of the class is female? What **percent** is female?

3. For parts (a)-(c), circle the fraction, decimal, or percent that is ***not*** equivalent to the others. Explain why it is not equivalent.

a. 0.05 1/2 5%

b. 1/15 15% 0.15

c. 12/5 2.4 104%

5. Arrange these decimals from least to greatest.

3.00 0.23 0.30 0.030 0.023

6. Arrange these decimals from least to greatest.

–0.008 –8.00 –0.77 –0.8 –0.0077

7. Decide whether each pair of fractions is *equivalent* or *not equivalent*. Explain your reasoning.

a. 7/8 10/16 **b.** - 7 /14 - 1/2 **c.** 15/10 1 ½

10. Write each fraction as a decimal.

a. -190/100 **b.** 1/3 **c.** – 15/30

11. Write each decimal as a fraction.

a. –0.6 **b.** 0.05 **c.** 1.606