Name _____ Date _____

Practice Worksheet 4-7

Fractions and Decimals

Express each fraction as a decimal by finding an equivalent fraction with a denominator of 10, 100, or 1,000.

1. $\frac{3}{5}$ **2.** $\frac{19}{20}$ **3.** $\frac{22}{250}$

Express each fraction as a decimal by dividing. Use bar notation if necessary.

4. $\frac{23}{50}$ **5.** $\frac{17}{30}$ **6.** $1\frac{5}{8}$

Express each fraction as a decimal. Use bar notation if necessary.

7. $\frac{19}{25}$ **8.** $\frac{7}{12}$ **9.** $\frac{14}{110}$

10. $\frac{46}{180}$ **11.** $\frac{24}{40}$ **12.** $\frac{7}{8}$

Express each decimal as a fraction in simplest form.

13. 0.08 **14.** 0.225 **15.** 3.8

16. 8.875 **17.** 11.325 **18.** $0.7\overline{8}$

19. 1.375 **20.** 14.74 **21.** 0.29

Challenges

1. Which of the fractions below are terminating decimals and which are repeating?

$\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \frac{1}{6}, \frac{1}{7}, \frac{1}{8}, \frac{1}{9}$

2. If Buck Leonards batting average is 0.350. How many times was he at bat and how many hits did he have?