Name _____ Date _____ Class _____

SKILL 11

Skills Readiness

Fractions and Decimals

Division Notation: $2 \div 3$ $3\overline{)2}$ $\frac{2}{3}$

Vocabulary: $\frac{2}{3}$ → Numerator, $\frac{2}{3}$ → Denominator; $\text{Divisor}\overline{)\text{Dividend}}$ = Quotient

Example: Write $\frac{4}{5}$ as a decimal.

Step 1: Write the fraction as a division problem. The numerator is the dividend and the denominator is the divisor. → $5\overline{)4}$

Step 2: Add a decimal point followed by a 0 in the dividend and another decimal point in the quotient. → $5\overline{)4.0}$

Step 3: Follow whole number division rules until you have a remainder of 0 or until you have the number of decimal places you need. Adding additional zeros may be necessary. →

$$5\overline{)4.0} \quad \begin{array}{r} 0.8 \\ 40 \\ \hline 0 \end{array}$$

So, $\frac{4}{5} = 0.8$

Note: If the number is a mixed number, ignore the whole number portion until you are ready to write your answer.

$3\frac{4}{5} = 3.8$

Practice on Your Own

Write each fraction or mixed number as a decimal.

1. $\frac{3}{5}$ _____ **2.** $\frac{5}{8}$ _____ **3.** $2\frac{1}{4}$ _____ **4.** $\frac{12}{15}$ _____

5. $-\frac{9}{10}$ _____ **6.** $\frac{12}{8}$ _____ **7.** $\frac{23}{10}$ _____ **8.** $-3\frac{1}{5}$ _____

Check

Write each fraction or mixed number as a decimal.

9. $\frac{7}{10}$ _____ **10.** $-\frac{11}{8}$ _____ **11.** $6\frac{3}{20}$ _____ **12.** $\frac{2}{25}$ _____

13. $\frac{7}{8}$ _____ **14.** $\frac{11}{2}$ _____ **15.** $-\frac{4}{5}$ _____ **16.** $\frac{24}{100}$ _____