**Multi-Part Lesson 1 PART A**

# Reteach

## Decimals as Fractions

Decimals like 0.58, 0.12, and 0.08 can be written as fractions.

To write a decimal as a fraction, you can follow these steps.

1. Identify the place value of the last decimal place.

2. Write the decimal as a fraction using the place value as the denominator, and simplify.

**Example 1**  **Write 0.5 as a fraction in simplest form.**

$0.5 = \dfrac{5}{10}$          0.5 means five tenths.

$= \dfrac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{10}}}$          Simplify. Divide the numerator and denominator by the GCF, 5.

$= \dfrac{1}{2}$          So, in simplest form, 0.5 is $\dfrac{1}{2}$.

**Example 2**  **Write 0.35 as a fraction in simplest form.**

$0.35 = \dfrac{35}{100}$          0.35 means 35 hundredths.

$= \dfrac{\overset{7}{\cancel{35}}}{\underset{20}{\cancel{100}}}$          Simplify. Divide the numerator and denominator by the GCF, 5.

$= \dfrac{7}{20}$          So, in simplest form, 0.35 is $\dfrac{7}{20}$.

**Example 3**  **Write 4.375 as a mixed number in simplest form.**

$4.375 = 4\dfrac{375}{1,000}$          0.375 means 375 thousandths.

$= 4\dfrac{\overset{3}{\cancel{375}}}{\underset{8}{\cancel{1,000}}}$          Simplify. Divide the numerator and denominator by the GCF, 125.

$= 4\dfrac{3}{8}$          So, in simplest form, 4.375 is $4\dfrac{3}{8}$.

**Exercises**

**Write each decimal as a fraction or mixed number in simplest form.**

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|---|---|---|---|
| **1.** 0.9 | **2.** 0.8 | **3.** 0.27 | **4.** 0.75 |
| **5.** 0.34 | **6.** 0.125 | **7.** 0.035 | **8.** 0.008 |
| **9.** 1.4 | **10.** 3.6 | **11.** 6.28 | **12.** 2.65 |
| **13.** 12.05 | **14.** 4.004 | **15.** 23.205 | **16.** 51.724 |