Module 7   Ratio, Proportion, and Percent
Lesson 3   Decimal and Percent Equivalents

Lesson Objectives

- Convert proper fractions to decimals and percents.
- Convert mixed numbers and improper fractions to decimals and percents.

Subtopic 1   **Decimal and Percent Equivalents for Proper Fractions**

Proper Fraction
- Numerator is less than _____.
- Value is less than _____ whole unit.
- Has a _____ and _____ equivalent.

To change a fraction to a decimal, _____ the denominator into the numerator.

When a larger number divides a _____ number, the quotient has a decimal value less than 1.

Find the decimal equivalent.
- Place the _____ _____ in the quotient directly above the decimal point in the dividend.
- Divide as with _____ numbers.

The decimal points are _____ places apart in a decimal and its equivalent percent.

Find the decimal and percent equivalents.

⭐ **1** $\dfrac{1}{20}$

⭐ **2** $\dfrac{7}{50}$

Subtopic 2   **Decimal and Percent Equivalents for Repeating Decimals**

A repeating decimal is a decimal in which a _____ of one or more digits is repeated indefinitely.

Find the decimal and percent equivalents.

3 $\dfrac{2}{3}$

4 $\dfrac{7}{11}$

Subtopic 3   **Decimal and Percent Equivalents of Mixed Numbers**

5   Find the decimal and percent equivalents of $5\dfrac{3}{4}$.