

Fractions and Whole Number Multiplication - Guided Lesson Explanation**Explanation to #1**

We use 2 as an improper fraction.

$$2 = \frac{2}{1}$$

Multiply the numerators, then multiply the denominators.

$$\frac{1}{5} \times \frac{2}{1} = \frac{1 \times 2}{5 \times 1} = \frac{2}{5}$$

So, the proper fraction is $\frac{2}{5}$.

Explanation to #2

To multiply a fraction by a whole number, write the whole number as a fraction with 1 as the denominator.

We use 4 as a fraction.

$$4 = \frac{4}{1}$$

Multiply the numerators, then multiply the denominators.

$$\frac{4}{1} \times \frac{4}{7} = \frac{4 \times 4}{1 \times 7} = \frac{16}{7} = 2 \frac{2}{7}$$

So, the proper fraction is $2 \frac{2}{7}$.



Name _____

Date _____

Explanation to #3

To multiply a fraction by a whole number, write the whole number as a fraction with 1 as the denominator.

We use 3 as a fraction.

$$3 = \frac{3}{1}$$

Multiply the numerators, then multiply the denominators.

$$\frac{3}{1} \times \frac{5}{8} = \frac{3 \times 5}{1 \times 8} = \frac{15}{8} = 1 \frac{7}{8} =$$

So, the proper fraction is $1 \frac{7}{8}$.

