Name:_____

CONVERTING MIXED NUMBERS TO IMPROPER FRACTIONS DIRECTED LEARNING ACTIVITY

Objective: Convert a mixed number to an improper fraction.

Activity: You will use a strategy for converting mixed numbers to improper fractions and then practice this strategy.

Example 1. Convert $3\frac{3}{8}$ to an improper fraction.

Steps to convert a mixed number to an improper fraction using multiplication:

1. Multiply the denominator times the whole number.

$3 \overset{\times}{\nwarrow} \frac{3}{8}$ $\qquad 3 \times 8 = \_\_\_\_\_$

2. Now, add the numerator and keep the original denominator.

$3 \overset{+}{\nearrow} \frac{3}{8}$ $\qquad 3 \times 8 = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_$

When we convert $3\frac{3}{8}$, the improper fraction result is _____.

Did you get $\frac{27}{8}$? Great!!

If you did not get this, check with the tutor to determine where you may have made an error.

Now try one on your own!

Example 2. Convert $10\frac{2}{3}$ to an improper fraction.

$10\frac{2}{3} = \frac{3 \times 10 + 2}{3} =$

Did you get $\frac{32}{3}$? Yay!!

Example 3. Convert $8\frac{2}{3}$ to an improper fraction.

You should get $\frac{26}{3}$.

After you go over the previous problems with a tutor, try the following, then check with a tutor to make sure you did them correctly.

1. $7\frac{1}{4}$ 2. $1\frac{3}{4}$ 3. $6\frac{1}{3}$

4. $12\frac{1}{6}$ 5. $4\frac{2}{9}$ 6. $2\frac{3}{5}$

For tutor use: Please check the appropriate box.

- ☐ Student has completed worksheet but may need further assistance. Recommend a follow-up with instructor.
- ☐ Student has mastered topic.