

# Notes On Mixed Numbers

## Mixed Numbers & Improper Fractions

When a term contains both a whole number (3, 8, 25, and so on) and a fraction ( $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$ , and so on), the term is called a **mixed number**. For instance,  $5\frac{1}{4}$  and  $290\frac{3}{4}$  are both mixed numbers.

### Changing improper fractions

To change an improper fraction to a mixed number, you divide the denominator into the numerator.

#### Example 1

Change  $\frac{10}{3}$  to a mixed number.

$$\begin{array}{r} 3 \overline{)10} \\ \underline{9} \\ 1 \text{ remainder} \end{array}$$
$$\frac{10}{3} = 3\frac{1}{3}$$

## Changing mixed numbers

To change a mixed number to an improper fraction, you multiply the denominator times the whole number, add in the numerator, and put the total over the original denominator.

### Example 2

Change  $5\frac{3}{4}$  to an improper fraction.

$$4 \times 5 + 3 = 23$$

$$5\frac{3}{4} = \frac{23}{4}$$

# Exercises

Change these mixed numbers to improper fractions. 😊😊😊😊

1.  $1 \frac{4}{7}$

2.  $3 \frac{4}{5}$

3.  $7 \frac{2}{3}$

4.  $9 \frac{7}{8}$

5.  $4 \frac{5}{6}$

Change these improper fractions to mixed numbers.



6.  $\frac{6}{7}$

7. 9/11
8. 20/29
9. 3/7
10. 10/22

VERY GOOD YOU TRIED!!  
GOOD LUCK 😊😊😊😊