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 $\left(\frac{1}{2}, \frac{1}{4}, \frac{3}{4}, \text{ and so on}\right)$, 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.

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$$3\overline{)10}\quad 3$$
$$\underline{9}$$
$$1 \text{ remainder}$$
$$\frac{10}{3} = 3\frac{1}{3}$$

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.

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

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Exercises

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

1. 1 4/7
2. 3 ⁴⁄₅
3. 7 ²⁄₃
4. 9 ⁷⁄₈
5. 4 5/6

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

6. 6/7

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

VERY GOOD YOU TRIED!!
GOOD LUCK 😊😊😊😊

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