

## Mixed Numbers and Improper Fractions

**Mixed Numbers** = “a whole number and a fraction mixed together”

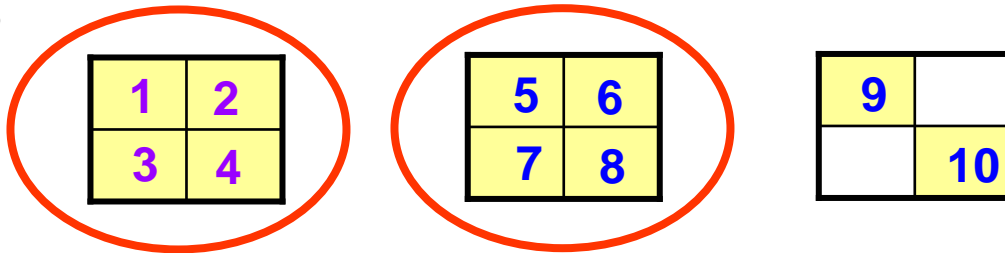
$$\begin{array}{ccccccc} 5 & + & \frac{2}{10} & = & 5 \frac{2}{10} \\ \text{whole} & & \text{fraction} & & \text{mixed} \\ \text{number} & & & & \text{number} \end{array}$$

**Improper Fractions** = “look silly – think of improper table manners” The numerator is equal to or greater than the denominator.

$$\frac{12}{3} \text{ improper fraction}$$

When given a picture, use the M & I Chart strategy.

What mixed number and improper fraction is shown by the picture?



1. Circle the wholes. That is your whole number.  $\rightarrow 2$
2. Count the number of pieces in 1 whole. That is your denominator.  $\rightarrow 4$
3. Count the additional shaded pieces not in 1 whole. That is your numerator.  $\rightarrow 2$
4. Count the total shaded pieces. This is your numerator  $\rightarrow 10$

mixed number	improper fraction
$2 \frac{2}{4}$	$\frac{10}{4}$

The denominators will always be the same.