## **Add and Subtract Mixed Numbers**

When you add or subtract two missed numbers first you convert the missed numbers to fractions then add or subtract.

Find the sum of  $5\frac{2}{3}$  and  $3\frac{1}{2}$ To find the sum is to add

Find the sum is to add
$$5\frac{2}{3} + 3\frac{1}{2}$$

$$5\frac{2}{3} + 3\frac{1}{2}$$

$$= \frac{5 \times 3 + 2}{3} + \frac{3 \times 2 + 1}{2}$$

$$= \frac{17}{3} + \frac{7}{2}$$

$$= \frac{17 \times 2}{3 \times 2} + \frac{7 \times 3}{2 \times 3}$$

$$= \frac{34}{6} + \frac{21}{6}$$

$$= \frac{55}{6}$$
Convert the mixed numbers to fractions
$$= \frac{34}{6} + \frac{21}{6}$$
Add the numerators
$$= \frac{55}{6}$$
Convert the fraction to a mixed number
$$= 9\frac{1}{6}$$