

## Fractions

### How do I add or subtract mixed numbers?

With mixed numbers, you can work with the whole numbers and the fractions separately.

*Note that in each example below, the fractions already have common denominators.*

#### Example

$$7\frac{3}{10} + 4\frac{4}{10} = ?$$

Add the whole numbers together:  $7 + 4 = 11$

$$\text{Add the fractions: } \frac{3}{10} + \frac{4}{10} = \frac{3+4}{10} = \frac{7}{10}$$

Combine the answers:  $11\frac{7}{10}$

#### Example

$$3\frac{3}{8} + 5\frac{7}{8} = ?$$

Add the whole numbers together:  $3 + 5 = 8$

$$\text{Add the fractions: } \frac{3}{8} + \frac{7}{8} = \frac{3+7}{8} = \frac{10}{8} = 1\frac{1}{4}$$

Combine the answers:  $8 + 1\frac{1}{4} = 9\frac{1}{4}$

#### Example

$$9\frac{7}{15} - 2\frac{3}{15} = ?$$

Subtract the whole numbers:  $9 - 2 = 7$

$$\text{Subtract the fractions: } \frac{7}{15} - \frac{3}{15} = \frac{7-3}{15} = \frac{4}{15}$$

Combine the answers:  $7\frac{4}{15}$