Adding mixed numbers with the same denominator – How to: step by step

$$4\frac{4}{7} + 1\frac{2}{7} =$$

1. Start by splitting the mixed number into whole numbers and fractions

$$4 + 1 =$$

$$\frac{4}{7} + \frac{2}{7} =$$

2. Add the whole numbers together (4+1)

$$4 + 1 = 5$$

3. Add the fractions together

$$\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$$

TOP TIP: the denominator (the bottom number) ALWAYS stays the same

4. Put the whole number and the fraction back together as a mixed number

$$4\frac{4}{7} + 1\frac{2}{7} = 5\frac{6}{7}$$

Subtracting mixed numbers with the same denominator – How to: step by step

$$4\frac{4}{7} - 1\frac{2}{7} =$$

1. Start by splitting the mixed number into whole numbers and fractions

$$4 - 1 =$$

$$\frac{4}{7} - \frac{2}{7} =$$

2. Subtract the whole numbers (4-1)

$$4 - 1 = 3$$

3. Subtract the fractions

$$\frac{4}{7} - \frac{2}{7} = \frac{2}{7}$$

TOP TIP: the denominator (the bottom number) ALWAYS stays the same

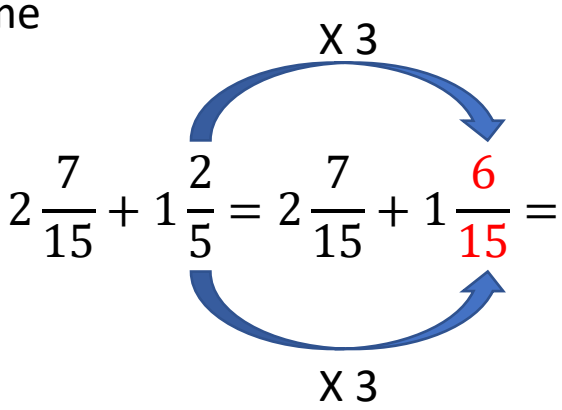
4. Put the whole number and the fraction back together as a mixed number

$$4\frac{4}{7} - 1\frac{2}{7} = 3\frac{2}{7}$$

Adding mixed numbers with different denominator – How to: step by step

$$2\frac{7}{15} + 1\frac{2}{5} =$$

1. Start by making both the denominators (bottom number) the same



TOP TIP: the whole numbers ALWAYS stay the same

Can I multiply my smaller denominator by a number to make it the same as the bigger denominator?

2. Add the whole numbers together (2+1)

$$2 + 1 = 3$$

3. Add the fractions together

$$\frac{7}{15} + \frac{6}{15} = \frac{13}{15}$$

TOP TIP: the denominator (the bottom number) ALWAYS stays the same

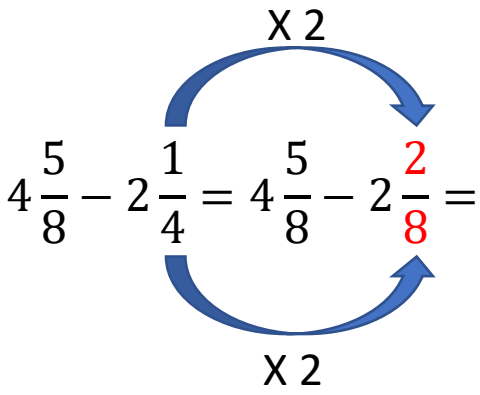
4. Put the whole number and the fraction back together as a mixed number

$$2\frac{7}{15} + 1\frac{6}{15} = 3\frac{13}{15}$$

Subtracting mixed numbers with different denominator – How to: step by step

$$4\frac{5}{8} - 2\frac{1}{4} =$$

1. Start by making both the denominators (bottom number) the same



TOP TIP: the whole numbers ALWAYS stay the same

Can I multiply my smaller denominator by a number to make it the same as the bigger denominator?

2. Subtract the whole numbers (4-2)

$$4 - 2 = 2$$

3. Subtract the fractions

$$\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$$

TOP TIP: the denominator (the bottom number) ALWAYS stays the same

4. Put the whole number and the fraction back together as a mixed number

$$4\frac{5}{8} - 2\frac{2}{8} = 2\frac{3}{8}$$