

Misconception: To add two fractions together, you add the numerators and add the denominators

Example

Step 1: $\frac{1}{3} + \frac{1}{5} = \frac{2}{8}$

Step 2: $\frac{2}{8} \equiv \frac{1}{4}$

Step 3: $\frac{1}{3} > \frac{1}{4}$

This means Step 1 cannot be true as it claims that when we add two positive values together ($\frac{1}{3}$ and $\frac{1}{5}$) we get something less than the first value.