Wednesday 10th June 2020

Adding two fractions by first finding the lowest common denominator (LCD)

Example:

$$\frac{5}{8} + \frac{4}{7}$$

Denominators

Steps to success

1. Multiply the denominators together to find the LCD e.g. 8 x 7 = 56

2. Convert the first fraction into the LCD. E.g. How many 56ths are 5 eighths? We already multiplied 8 x 7 in step one– remember we need to do the same to the top as we've done to the bottom-so 5 x 7 = 35. The first would be 35/56

3.Convert the second fraction into 56ths. Remember we multiplied the 7 by 8 to get 56. So we need to multiply the 4 by 8 (do the same to the bottom as we do to the top. We would have 32/56.

4. Finally we would add 35/56 and 32/56. This would be 67/56 which is an improper fraction or 1 and 11/56

Find the total for each pair of fractions below:

Fractions	Working out	Total
$\frac{2}{10} + \frac{3}{4}$		
$\frac{3}{5} + \frac{1}{3}$		
$\frac{1}{10} + \frac{2}{5}$		
$\frac{3}{5} + \frac{2}{2}$		
$\frac{3}{10} + \frac{1}{4}$		
$\frac{1}{3} + \frac{1}{8}$		
$\frac{1}{10} + \frac{1}{2}$		