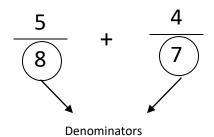
Wednesday 10th June 2020

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

Steps to success

Example:



- 1. Multiply the denominators together to find the LCD e.g. $8 \times 7 = 56$
- 2. Convert the first fraction into the LCD. E.g. How many 56ths are 5 eighths? We already multiplied 8×7 in step one—remember we need to do the same to the top as we've done to the bottom-so $5 \times 7 = 35$. 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:

<u>Fractions</u>			Working out	<u>Total</u>
_ 2	+	3		
10		4		
3	+	1		
5		3		
1	+	2		
10		5		
3	+	2		
5		2		
3	+	1		
10		4		
1	+	1		
3		8		
1	+	1		
10		2		