

Name _	· · · · · · · · · · · · · · · · · · ·
Class _	

Problem 1 – Finding a common denominator

One way to find a common denominator is to multiply each fraction by "1", meaning you need to multiply the top and bottom of the fraction by the same number. For example, $\frac{3}{3}$ or $\frac{10}{10}$.

Open the CelSheet App. To open the file **FRAC**, press **GRAPH** (Menu) > File > Open and select the file.

Rows 1 and 2 make up the first fraction. Rows 3 and 4 make up the second fraction.

Change cell **B1** or **B4** to change the "1" fraction.

The example below changes the fractions $\frac{2}{3}$ and $\frac{1}{4}$ to

have a common denominator.

 $\frac{2}{3} \cdot \frac{4}{4} = \frac{8}{12}$ $\frac{1}{4} \cdot \frac{3}{3} = \frac{3}{12}$

a.

FRAC	Ĥ	В	C
1	2	4	8
2	3	4	12
3			
4	1	3	3
5	4	3	12
6			
A1: 2			(Henu)

1. Use the **FRAC** file to change the following fractions to have a common denominator.

b.



13 5] =	
<u>5</u> 6	=	

- What do these pairs of fractions have in common?
- 2. Now use the **FRAC** file to change the following pairs of fractions so that they have a common denominator.





• What is the difference between these pairs of fractions and the previous ones?

Problem 2 – Adding and subtracting fractions

- **3.** You must have a common denominator for fractions when performing which of the following operations? Fill in the circle for your choice(s).
 - o Add o Multiply
 - o Subtract o Divide
- 4. Explain how you would add or subtract two fractions with different denominators.

5. Use the **FRAC** file to help you add or subtract the following fractions.

