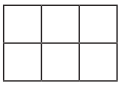
# Adding Fractions with Denominators that are Multiples

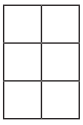
Aim: To add fractions with denominators that are multiples of the same number.

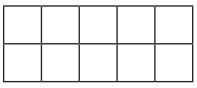
Use the grids to help you solve the calculations.

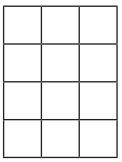
Example: $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$ 

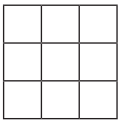
1. $\frac{1}{3} + \frac{1}{6} =$ 

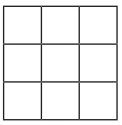
2. $\frac{2}{3} + \frac{1}{6} =$ 

3. $\frac{1}{2} + \frac{1}{6} =$ 

4. $\frac{4}{5} + \frac{1}{10} =$ 

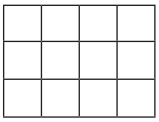
5. $\frac{2}{3} + \frac{1}{12} =$ 

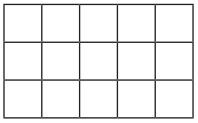
6. $\frac{1}{3} + \frac{2}{9} =$ 

7. $\frac{2}{3} + \frac{1}{9} =$ 

## Challenge

Using what you have learned, can you use this grid to write your own addition calculations involving two fractions with denominators that are multiples of the same number.





# Adding Fractions with Denominators that are Multiples **Answers**

Aim: To add fractions with denominators that are multiples of the same number.

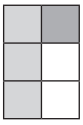
Use the grids to help you solve the calculations.

Example: $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$

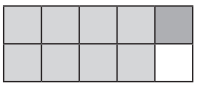
1. $\frac{1}{3} + \frac{1}{6} = \mathbf{\frac{3}{6}}$

2. $\frac{2}{3} + \frac{1}{6} = \mathbf{\frac{5}{6}}$

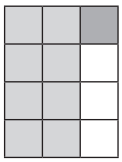
3. $\frac{1}{2} + \frac{1}{6} = \mathbf{\frac{4}{6}}$



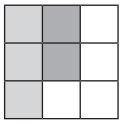
4. $\frac{4}{5} + \frac{1}{10} = \mathbf{\frac{9}{10}}$



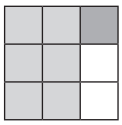
5. $\frac{2}{3} + \frac{1}{12} = \mathbf{\frac{9}{12}}$



6. $\frac{1}{3} + \frac{2}{9} = \mathbf{\frac{5}{9}}$



7. $\frac{2}{3} + \frac{1}{9} = \mathbf{\frac{7}{9}}$

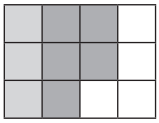


## Challenge

Using what you have learned, can you use this grid to write your own addition calculations involving two fractions with denominators that are multiples of the same number.

**Example answer:**

**$\frac{1}{4} + \frac{5}{12} = \frac{8}{12}$ (this could be simplified to $\frac{2}{3}$)**



**Example answer:**

**$\frac{3}{5} + \frac{4}{15} = \frac{13}{15}$**