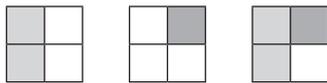


# Adding Fractions with Denominators that are Multiples

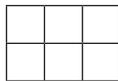
Aim: To add fractions with denominators that are multiples of the same number.

For the first fraction in each calculation, shade the correct number of columns. For the second fraction, shade the correct number of squares. Use the diagram to calculate the answer.

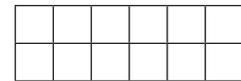
Example:  $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$



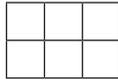
1.  $\frac{1}{3} + \frac{1}{6} =$



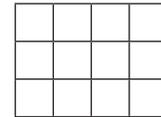
5.  $\frac{5}{6} + \frac{1}{12} =$



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



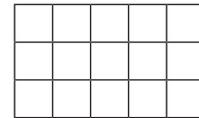
6.  $\frac{1}{4} + \frac{5}{12} =$



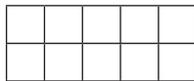
3.  $\frac{1}{2} + \frac{1}{6} =$



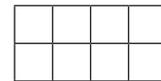
7.  $\frac{2}{5} + \frac{2}{15} =$



4.  $\frac{2}{5} + \frac{3}{10} =$

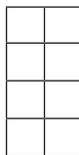


8.  $\frac{1}{4} + \frac{3}{8} =$



## 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.

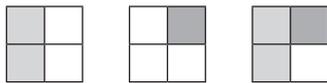


# Adding Fractions with Denominators that are Multiples **Answers**

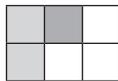
Aim: To add fractions with denominators that are multiples of the same number.

For the first fraction in each calculation, shade the correct number of columns. For the second fraction, shade the correct number of squares. Use the diagram to calculate the answer.

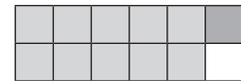
Example:  $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$



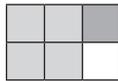
1.  $\frac{1}{3} + \frac{1}{6} = \frac{3}{6}$



5.  $\frac{5}{6} + \frac{1}{12} = \frac{11}{12}$



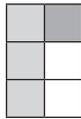
2.  $\frac{2}{3} + \frac{1}{6} = \frac{5}{6}$



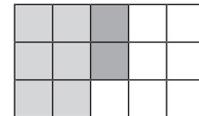
6.  $\frac{1}{4} + \frac{5}{12} = \frac{8}{12}$



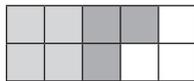
3.  $\frac{1}{2} + \frac{1}{6} = \frac{4}{6}$



7.  $\frac{2}{5} + \frac{2}{15} = \frac{8}{15}$



4.  $\frac{2}{5} + \frac{3}{10} = \frac{7}{10}$



8.  $\frac{1}{4} + \frac{3}{8} = \frac{5}{8}$



## 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:

$\frac{1}{2} + \frac{2}{8} = \frac{6}{8}$

