## Adding Fraction Multiples

## Same Denominators

In this fraction addition, both the fractions have the same denominator.


To solve the calculation, the denominator stays the same, and the numerators are added together .

## Same Denominators

In this fraction addition, both the fractions have the same denominator.

This is the same answer written as a mixed number.

## $\frac{5}{3}+\frac{6}{3}=\frac{11}{3}=3 \frac{2}{3}$



This answer is an improper fraction. The denominator tells us the whole is made of three parts.

## Same Denominators

In this fraction addition, both the fractions have the same denominator.


## Same Denominators

## In this fraction addition, both the fractions

 have the same denominator.

This is a mixed number. Change it to an improper fraction before calculating.

## Same Denominators

## In this fraction addition, both the fractions have the same denominator.

This answer is an improper fraction. Change it to a mixed number.

$$
\frac{11}{4}+\frac{3}{4}=\frac{14}{4}
$$

This is a mixed number. Change it to an improper fraction before calculating.

## Same Denominators

In this fraction addition, both the fractions have the same denominator.

This answer is an improper fraction. Change it to a mixed number.

This answer can be simplified.

This is a mixed
 number. Change it to an improper fraction before calculating.

## Same Denominators

## In this fraction addition, both the fractions

 have the same denominator.This answer is an improper fraction. Change it to a mixed number.

This answer can be simplified.

## $$
\frac{11}{4}+\frac{3}{4}=\frac{14}{4}=3 \frac{1}{2}
$$

This is a mixed number. Change it to an improper fraction before calculating.

## You try...



## You try...



## Denominator Multiples

In this fraction addition, both the fractions have different denominators which are multiples of the same number.


To solve the calculation, we use multiplication to change the fraction with the lowest denominator into an equivalent fraction with the same denominator as the other fraction.

Remember to do the same multiplication to the numerator.

## Denominator Multiples

Now we have a calculation where both the denominators are the same number.


## Denominator Multiples

 Let's try this with another calculation where the fractions have different denominators which are multiples of the same number.

## Denominator Multiples

 Let's try this with another calculation where the fractions have different denominators which are multiples of the same number.$$
\times 5=25
$$



## You try...



## You try...

$$
\begin{aligned}
& \frac{\frac{3}{4}+\frac{4}{8}=\frac{6}{8}+\frac{4}{8}=\frac{10}{8}=1 \frac{2}{8}}{} \begin{array}{l}
=1 \frac{1}{4} \\
\frac{2}{7}+\frac{1}{14}=\frac{4}{14}+\frac{1}{14}=\frac{5}{14}
\end{array}
\end{aligned}
$$

## Denominator Multiples

Let's try this with another calculation where both the fractions have different denominators.


## Denominator Multiples

Let's try this with another calculation where both the fractions have different denominators.


## You try...



## You try...




