## Subtracting

 Fraction Multiples
## Same Denominators

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


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

This answer is an improper fraction. Change it to a mixed number. $\pi=2=1$

## You try...



## You try...



## Denominator Multiples

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

$$
\mathrm{x} 2=10
$$


$x 2=6$

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.

$$
\mathrm{x} 2=10
$$

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

## Denominator Multiples

Let's try this with another calculation where the fractions have different denominators which are multiples of the same number.
x $3=9$


## Denominator Multiples

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


## You try...



## You try...

©
$\div 2=1$
Whole Class

$$
\begin{aligned}
& \frac{3}{4}-\frac{4}{8}=\frac{6}{8}-\frac{4}{8}=\frac{2}{8}=\frac{1}{4} \\
& \frac{2}{7}-\frac{1}{14}=\frac{4}{14}-\frac{1}{14}=\frac{3}{14}
\end{aligned}
$$

## 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...



## Prove It

Is this calculation correct? Prove it!

$$
2 \frac{6}{10}-\frac{4}{5}=1 \frac{4}{5}
$$

## Prove It

Is this calculation correct? Prove it!

$$
2 \frac{6}{10}-\frac{4}{5}=1 \frac{4}{5}
$$

26
10

$\frac{18}{10}=1 \frac{8}{10}=1 \frac{4}{5}$

## Prove It

Is this calculation correct? Prove it!

$$
2 \frac{5}{6}-\frac{2}{3}=1 \frac{4}{6}
$$

## Prove It

Is this calculation correct? Prove it!

$$
2 \frac{5}{6}-\frac{2}{3}=1 \frac{4}{6}
$$

$$
\frac{17}{6}-\frac{4}{6}=\frac{13}{6}=2 \frac{1}{6}
$$



