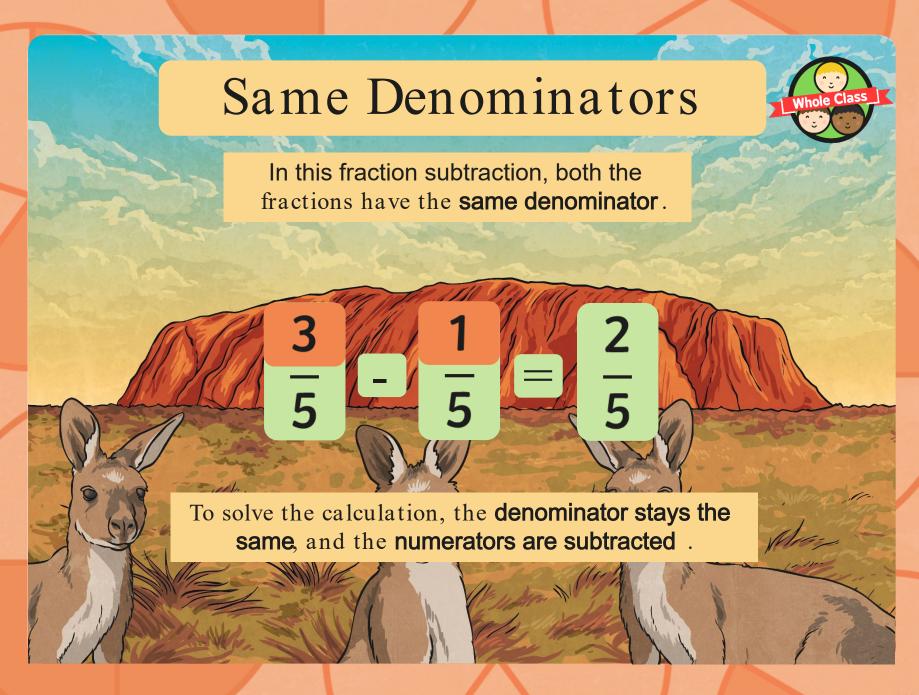
Subtracting Fraction Multiples





Same Denominators



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

$\frac{10}{3} = \frac{2}{3} = \frac{2}{3}$

 1
 4
 7

 2
 5
 8

 3
 6

This answer is an improper fraction. Every whole is made of three parts.

This is the same answer written as a mixed number.

Same Denominators



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

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

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

This answer can be simplified.

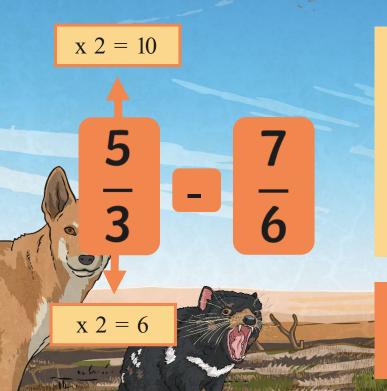


$$1\frac{6}{7} - \frac{4}{7} =$$





In this fraction subtraction, 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.



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

$$x 2 = 10$$

$$\frac{5}{3}$$
 $\frac{7}{6}$ $=$ $\frac{10}{6}$ $=$ $\frac{7}{6}$ $=$ $\frac{3}{6}$ $=$ $\frac{1}{2}$

$$x 2 = 6$$

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

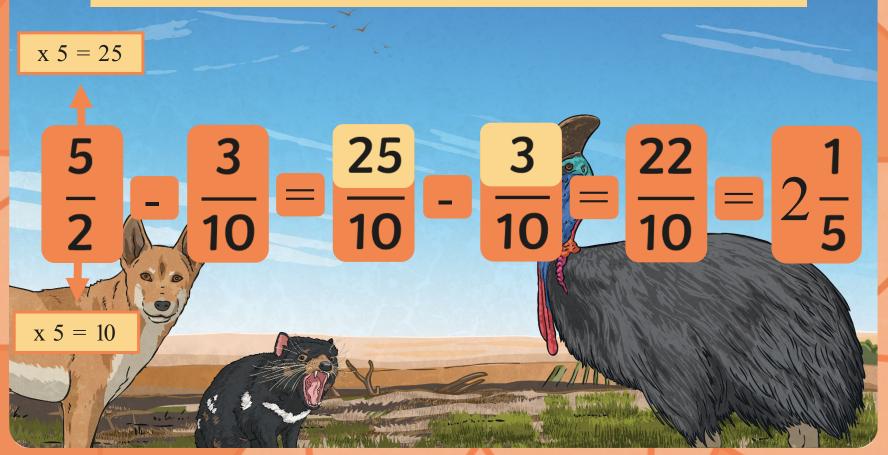


Let's try this with another calculation where the fractions have different denominators which are multiples of the same number.

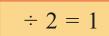




Let's try this with another calculation where the fractions have different denominators which are multiples of the same number.









$$\frac{3}{4}$$
 $\frac{4}{8}$ $\frac{6}{8}$ $\frac{4}{8}$ $\frac{2}{8}$ $\frac{1}{8}$ $\frac{1}{4}$

$$\frac{2}{7}$$
 - $\frac{1}{14}$ = $\frac{4}{14}$ - $\frac{1}{14}$ = $\frac{3}{14}$



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

$$\frac{4}{5}$$
 = $\frac{2}{3}$ = $\frac{12}{15}$ = $\frac{2}{15}$

3. may be a market 3. 3

$$\times 3 = 15 \qquad \times 5 = 15$$



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

$$\frac{5}{7} = \frac{2}{5} = \frac{25}{35} = \frac{14}{35} = \frac{11}{35}$$

1. The way 1 1 1 1 2

$$\times$$
 5 = 35

$$\times$$
 7 = 35



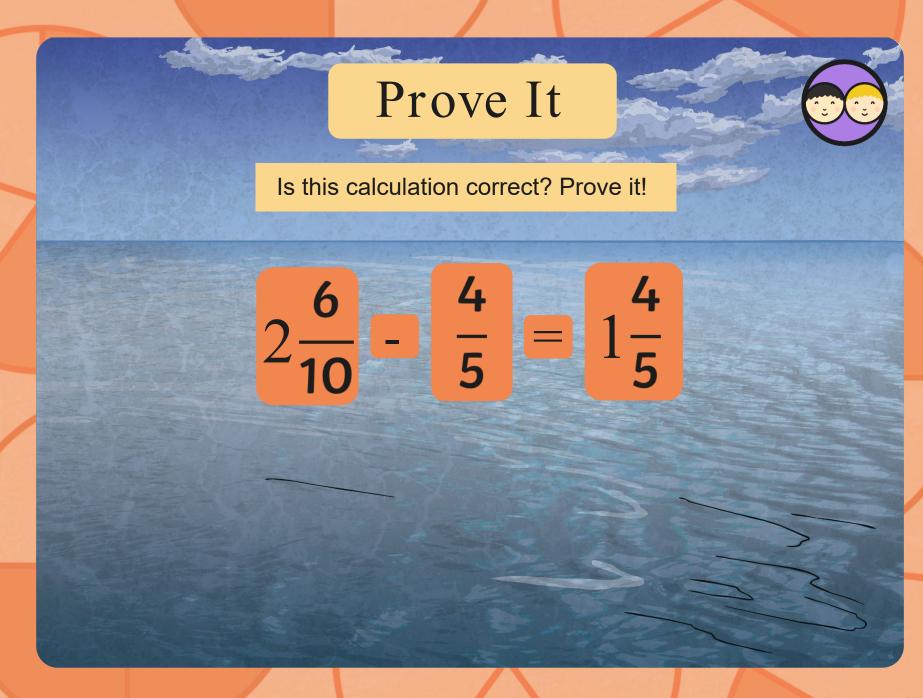
$$\frac{3}{4} - \frac{2}{3} =$$



÷ 3 = 3

$$\frac{3}{4}$$
 $\frac{2}{3}$ $\frac{9}{12}$ $\frac{8}{12}$ $\frac{1}{12}$

$$\frac{4}{5} - \frac{3}{6} = \frac{24}{30} + \frac{15}{30} = \frac{9}{30} = \frac{3}{10}$$



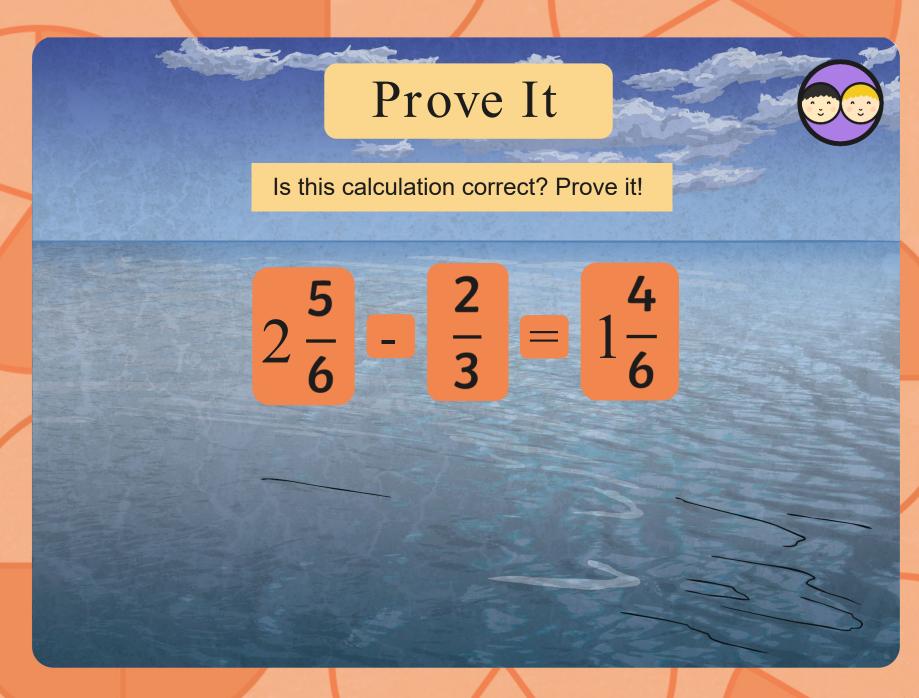
Prove It



Is this calculation correct? Prove it!

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

$$\frac{26}{10} - \frac{8}{10} = \frac{18}{10} = 1\frac{8}{10} = 1\frac{4}{5}$$



Prove It



Is this calculation correct? Prove it!

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

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

