# Adding Fraction Multiples





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

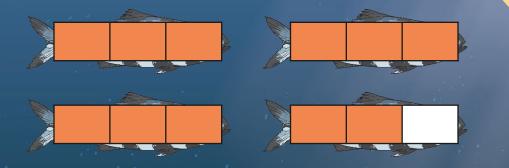


To solve the calculation, the **denominator stays** the same, and the numerators are added together.



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

This is the same answer written as a mixed number.

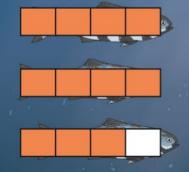


This answer is an improper fraction. The denominator tells us the whole is made of three parts.



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

 $2\frac{3}{4} + \frac{3}{4}$ 





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

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



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

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

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



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.

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





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.

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





$$\frac{2}{5} + \frac{4}{5} =$$

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



$$\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}$$

$$\frac{6}{7} + \frac{4}{7} = \frac{17}{7} = 2 \frac{3}{7}$$



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

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

and the second second

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.

2000 200 200 3

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

Like was with



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.

$$\times$$
 5 = 25





$$\frac{3}{4} + \frac{4}{8} = \frac{1}{2}$$



$$\frac{3}{4} + \frac{4}{8} = \frac{6}{8} + \frac{4}{8} = \frac{10}{8} = 1\frac{2}{8}$$

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

$$\frac{2}{7} + \frac{1}{14} = \frac{4}{14} + \frac{1}{14} = \frac{5}{14}$$



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

$$\times 6 = 12 \qquad \times 5 = 5$$

$$\frac{2}{5} + \frac{1}{6} = \frac{12}{30} + \frac{5}{30} = \frac{17}{30}$$

$$\times 6 = 30 \quad \boxed{ \times 5 = 30}$$



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

$$\times 5 = 15 \qquad \times 4 = 16$$

$$\frac{3}{4} + \frac{4}{5} = \frac{15}{20} + \frac{16}{20} = \frac{31}{20} = \frac{111}{20}$$

$$\times 5 = 20 \quad \boxed{ \times 4 = 20}$$



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

$$\frac{3}{6} + \frac{4}{5} =$$



$$\frac{1}{4} + \frac{2}{3} = \frac{3}{12} + \frac{8}{12} = \frac{11}{12}$$

$$\div 3 = 3$$

$$\frac{3}{6} + \frac{4}{5} = \frac{15}{30} + \frac{24}{30} = \frac{39}{30} = 1 \frac{9}{30}$$

$$= 1 \frac{3}{10}$$

