

# Dividing Fractions

Dividing fractions is quite easy! Here's how we do it:

## How to Divide Fractions

There are three steps to dividing fractions correctly:

1. Turn the second fraction (the one you need to divide by) upside down
2. Multiply the numerators together and the denominators together
3. Simplify the fraction if possible

**Example:**

$$\frac{2}{5} \div \frac{3}{6}$$

First, we turn the second fraction upside down. Then, we multiply the numerators and the denominators.

$$\frac{2}{5} \times \frac{6}{3} = \frac{12}{15}$$

The final step is to simplify our answer. Remember, to simplify a fraction, you need to divide both the numerator and the denominator by the same (highest possible) number.

In this question, we can divide both the numerator and the denominator by 3.

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

Now have a go at dividing some fractions yourself! Don't forget to turn the second fraction upside down, and remember to simplify them wherever possible.

a.

$$\frac{1}{2} \div \frac{4}{5} = \text{---}$$

b.

$$\frac{3}{8} \div \frac{2}{4} = \text{---}$$

c.

$$\frac{5}{9} \div \frac{3}{5} = \text{---}$$

d.

$$\frac{2}{8} \div \frac{3}{7} = \text{---}$$

e.

$$\frac{4}{12} \div \frac{2}{3} = \text{---}$$

f.

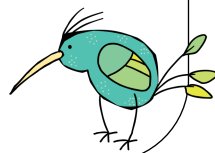
$$\frac{1}{9} \div \frac{2}{5} = \text{---}$$

g.

$$\frac{3}{14} \div \frac{2}{6} = \text{---}$$

h.

$$\frac{3}{6} \div \frac{2}{3} = \text{---}$$



## Answers

a.  $\frac{5}{8}$

b.  $\frac{3}{4}$

c.  $\frac{25}{27}$

d.  $\frac{7}{12}$

e.  $\frac{1}{2}$

f.  $\frac{5}{18}$

g.  $\frac{9}{14}$

h.  $\frac{3}{4}$