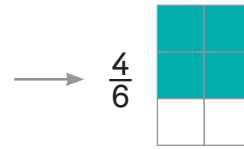
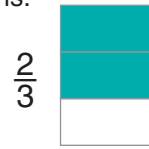
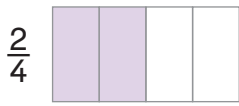
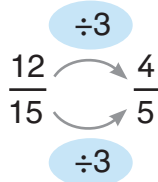
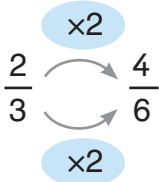


Equivalent fractions

Equivalent fractions stand for the same amount. They can look very different but are worth the same. Here are some equivalent fractions.

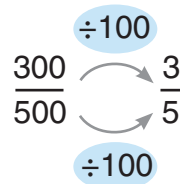
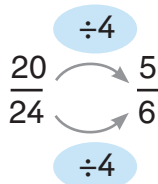
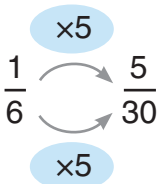


If you can multiply or divide the **numerator** and the **denominator** by the same number, then both fractions are equivalent.



Finding an equivalent fraction

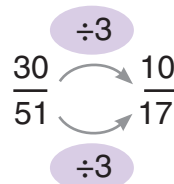
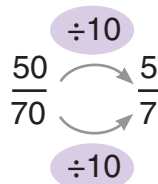
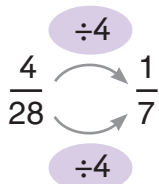
To find an equivalent fraction you can multiply or divide the numerator and the denominator of a fraction by any number you choose. The new fraction will be equivalent.



Cancelling a fraction to its simplest (or lowest) form

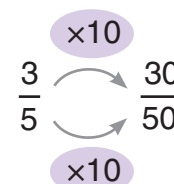
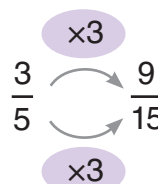
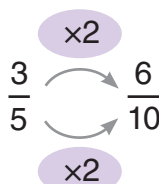
When you divide the numerator and the denominator by the largest number you can, and can't divide again by any other number, you have cancelled the fraction to its simplest (or lowest) form.

Cancel these fractions to their simplest form



You might be asked to give some fractions that are equivalent to another fraction, like this.

Give three fractions equivalent to $\frac{3}{5}$



Remember

If you can multiply the numerator and the denominator by the same number to make another fraction, then both fractions are equivalent.

Test yourself

- Which of these pairs of fractions are equivalent?
 - $\frac{3}{5}$ and $\frac{9}{15}$
 - $\frac{3}{5}$ and $\frac{12}{16}$
 - $\frac{3}{8}$ and $\frac{9}{24}$
 - $\frac{15}{18}$ and $\frac{5}{6}$
 - $\frac{12}{20}$ and $\frac{3}{5}$
- Cancel these fractions to their simplest form.

a $\frac{6}{24}$	c $\frac{8}{22}$
b $\frac{15}{18}$	d $\frac{20}{28}$
- Give three fractions equivalent to:

a $\frac{3}{4}$	c $\frac{100}{500}$
b $\frac{30}{40}$	d $\frac{2}{3}$