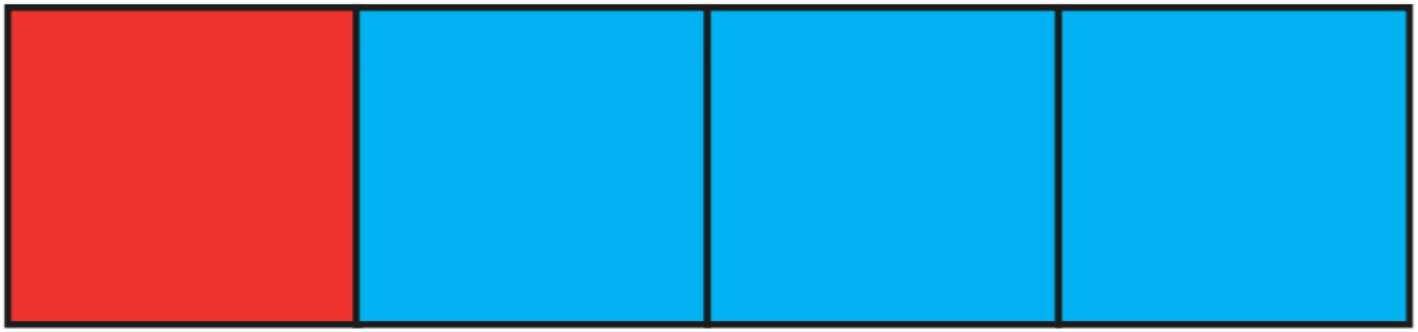
Adding Fractions

$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$

The denominators are both the same number so we leave them as they are, they don't get added together (this is very important).

We simply add the two numerators together!

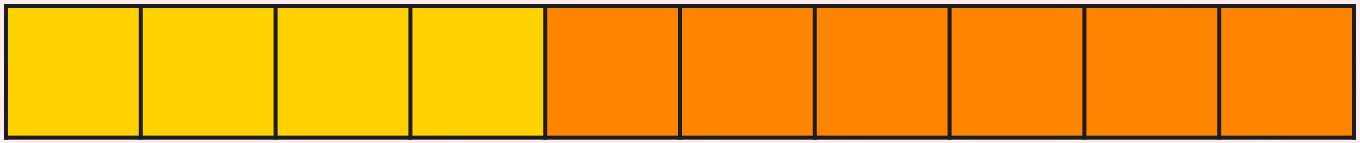
Adding Fractions



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

red blue

Subtracting Fractions

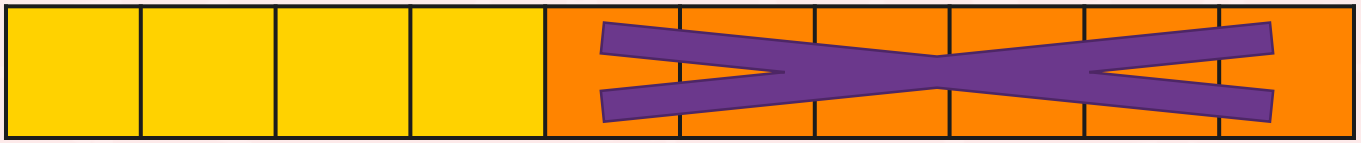


What type of fraction is shown by the fraction block?

$$\frac{4}{10} + \frac{6}{10} = \frac{10}{10}$$

What subtraction calculations could the fraction block represent?

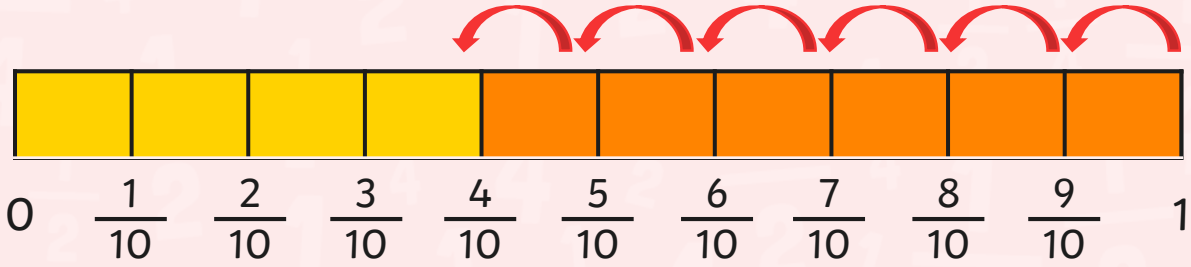
$$\frac{10}{10} - \frac{6}{10} = \frac{4}{10}$$



Number Lines

We can also show this subtraction on a number line.

$$\frac{10}{10} - \frac{6}{10} = \frac{4}{10}$$



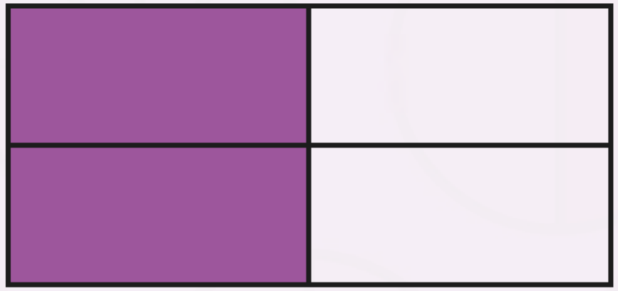
Equivalent Fractions

Whole Class

Some fractions that are written with different numbers have the same value.

In other words, a fraction can be written in many different ways, but have the same value.

$\frac{1}{2}$



$\frac{2}{4}$

Equivalent Fractions

These are all equivalent fractions, even though they all have different numerators and denominators.

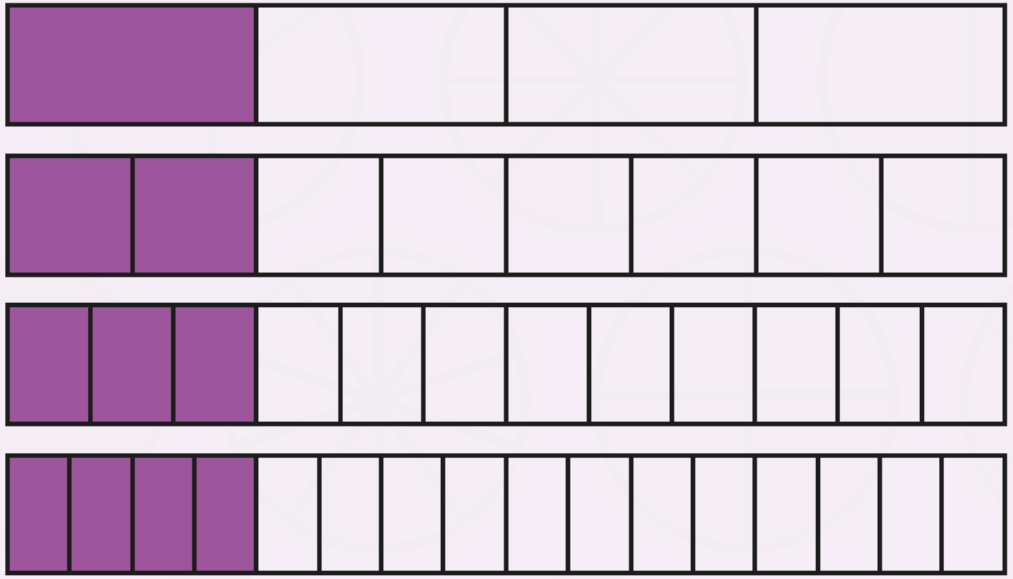
They show that the same amount of the bar has been shaded overall.

$\frac{1}{4}$

$\frac{2}{8}$

$\frac{3}{12}$

$\frac{4}{16}$



Equivalent Fractions

Are these two fractions equivalent?

$\frac{1}{10}$

$\frac{3}{30}$

Yes!