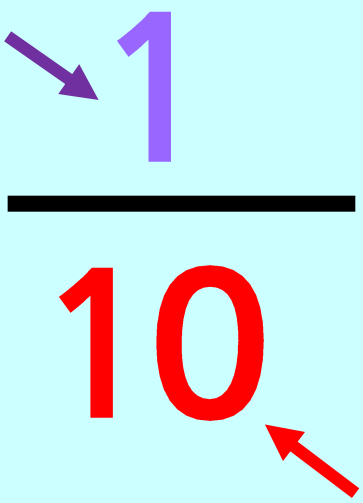
Finding the Fraction of a Group of Objects

A task setting PowerPoint Pack about common factors.

Are these 2 sentences true or false?

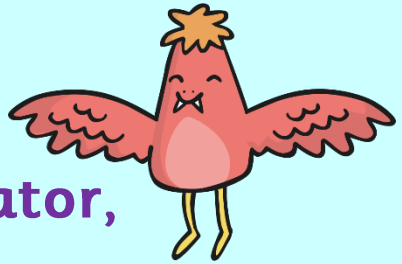
This number tells us how many parts we are looking at.



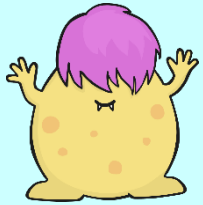
This number tells us how many equal parts there are that make 1 whole.

TRUE!

$\frac{1}{10}$



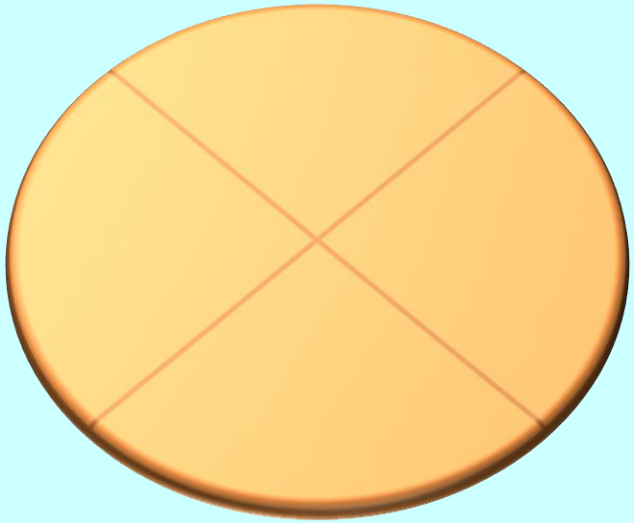
Nico the **numerator**,
He sits on **top**,
And tells us how many parts there are!



Lurking **below**,
The total she shows,
Is Domino **de-nomin-ator**!

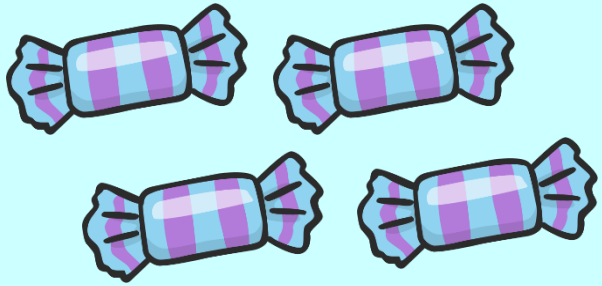
Fractions are fantastic when it comes to sharing with your friends because it helps you share equally.

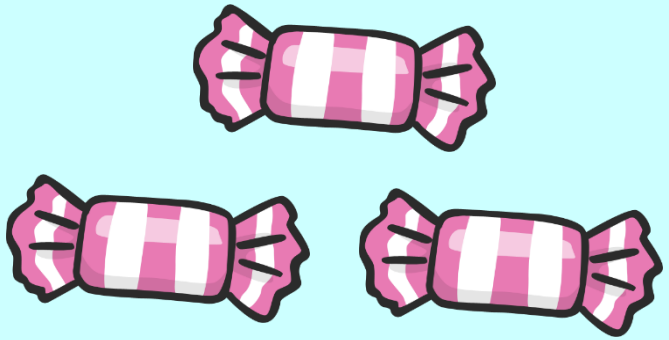
To find any fraction you must first divide into equal parts.



Here is a selection of sweets. Let's work out how many there are of each as a fraction.

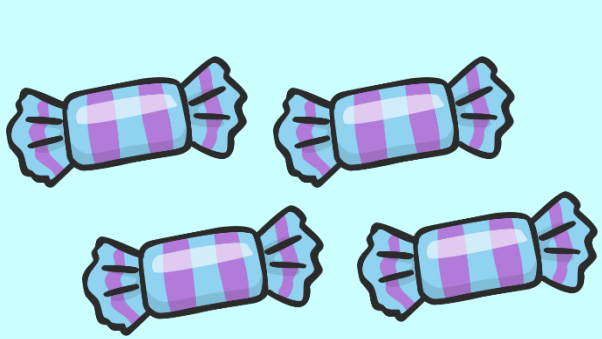
First we'll find Domino the denominator.
How many sweets are there altogether?

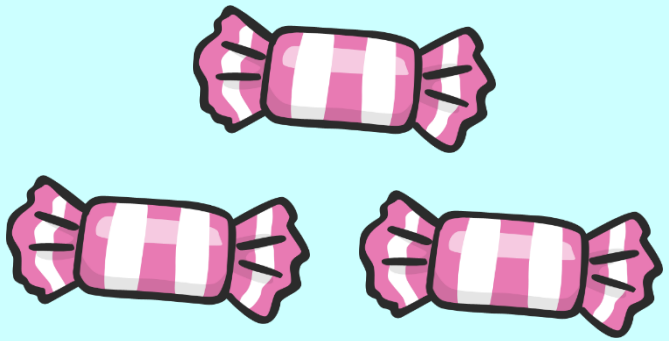




There are 7 sweets altogether so we are using sevenths.
This means Domino the denominator is 7.

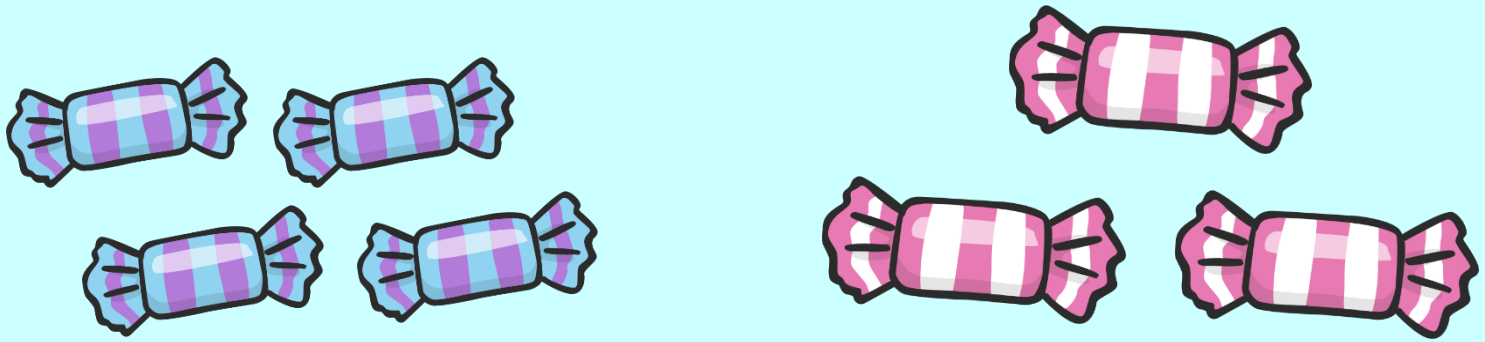
$$\frac{}{7}$$





As a fraction how many of the sweets are blue?

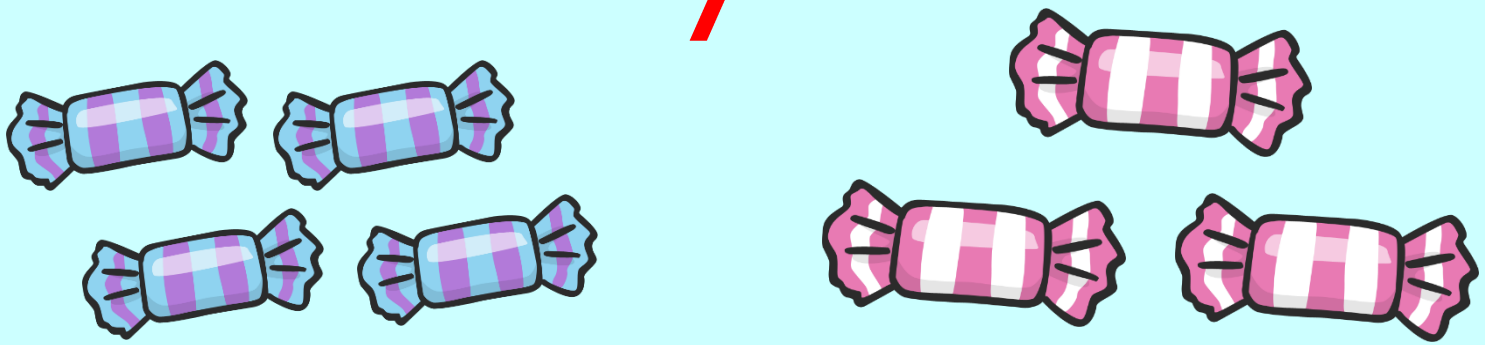
$$\frac{\quad}{7}$$



4 out of the 7 sweets are blue, so as a fraction, three sevenths of these sweets are pink.

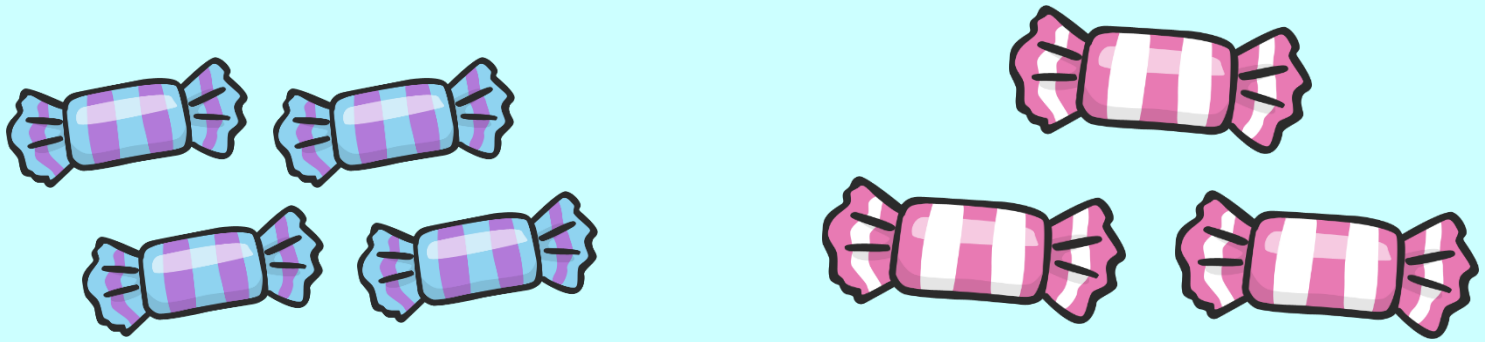
As a fraction, how many of the sweets are blue?

$$\frac{4}{7}$$



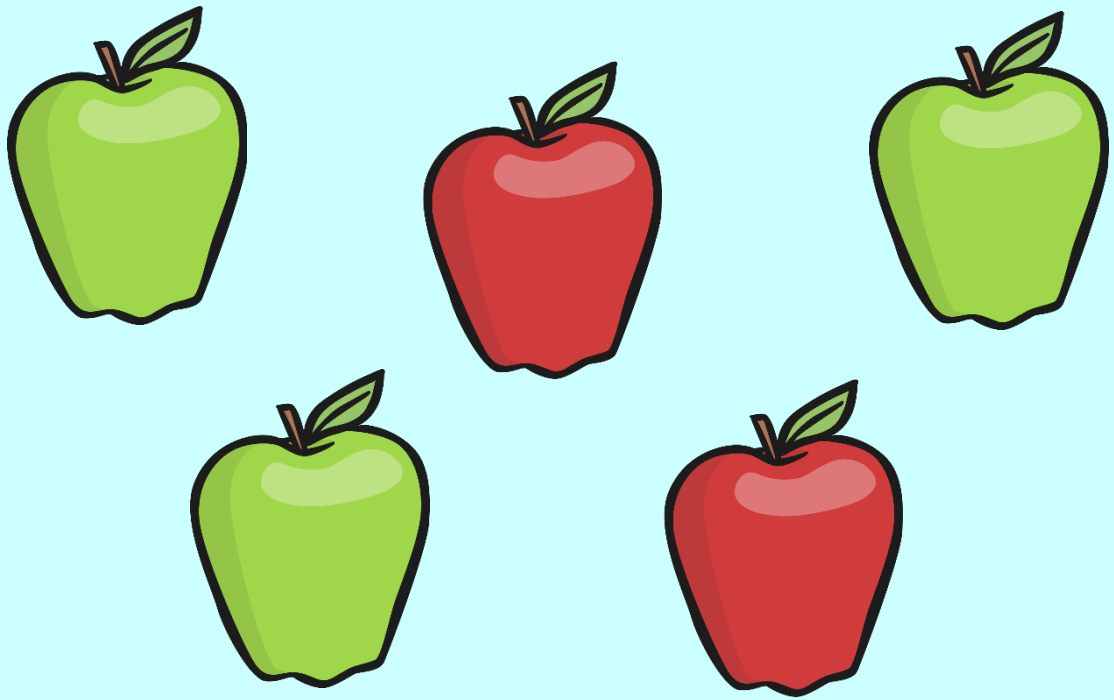
Three sevenths of these sweets are pink.

$$\frac{3}{7}$$



As a fraction, how many of these apples are red?

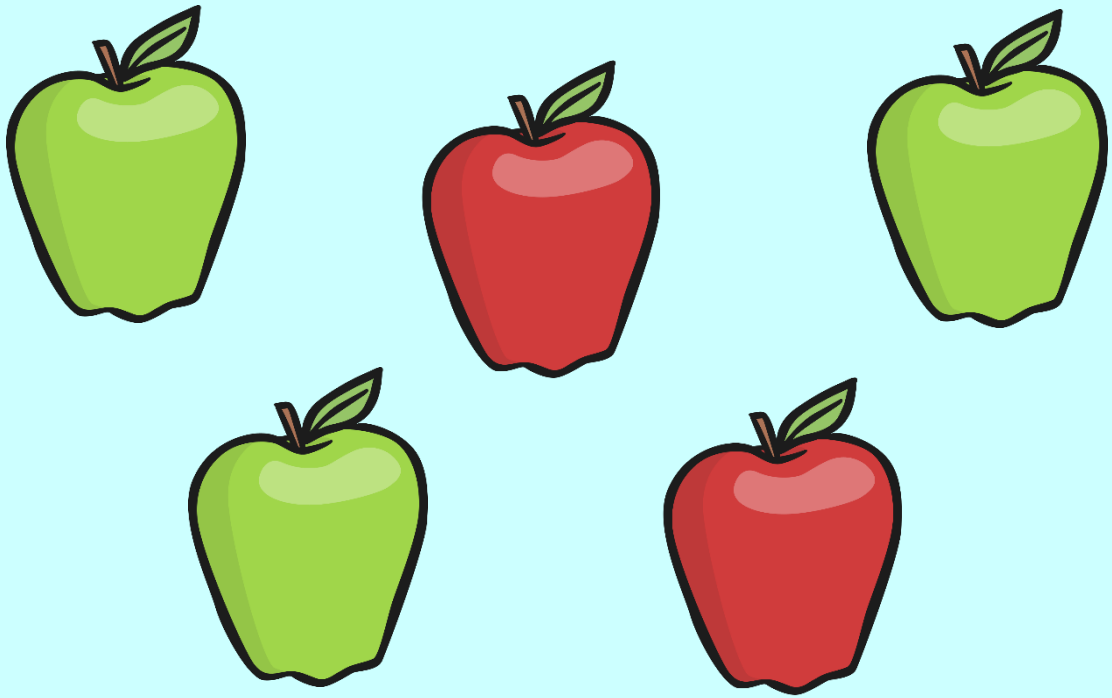
How many are green as a fraction?



There are 5 apples so we are using fifths which makes Domino the denominator 5.

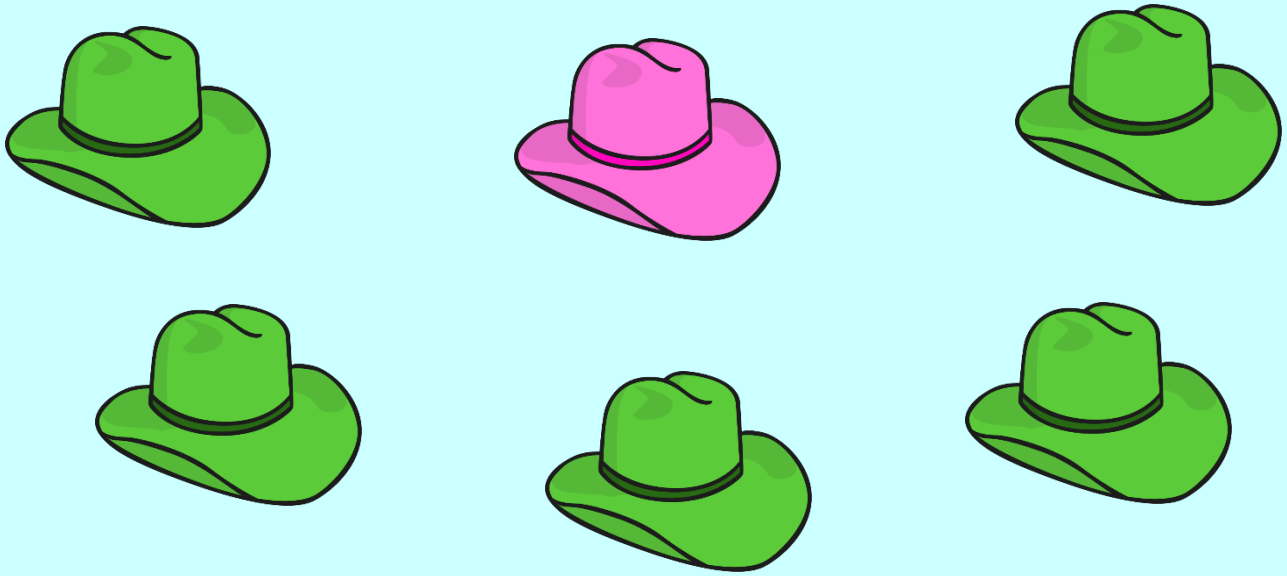
Three fifths of the apples are green. $\frac{3}{5}$

Two fifths of the apples are red. $\frac{2}{5}$



We want to know how many hats here are green as a fraction.

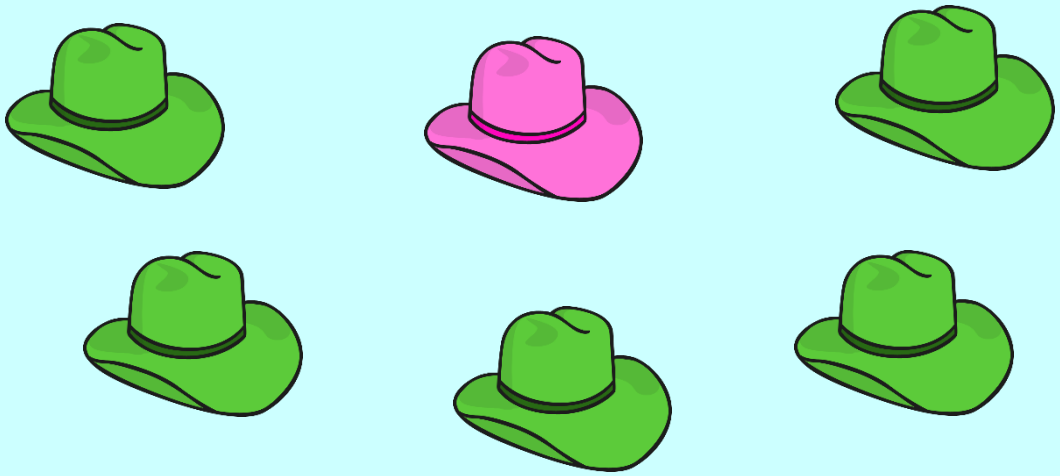
Which number is Nico the numerator and which number is Domino the denominator?



Nico the numerator is 5

and Domino the denominator is 6

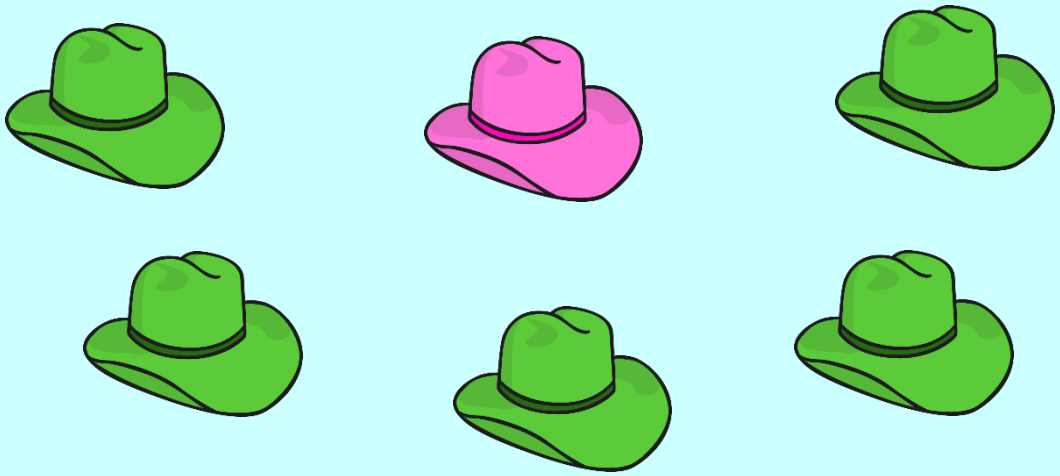
$$\frac{5}{6}$$



Five sixths of the hats are green, which means…

… one sixth of the hats are pink!

$$\frac{1}{6}$$



Plenary

As a fraction, how many of these balls are green?