

Fraction Wall

FRACTIONS

Learning Objective:
To mark fractions on a number
line to compare them

A fraction is a quantity that is not a whole number

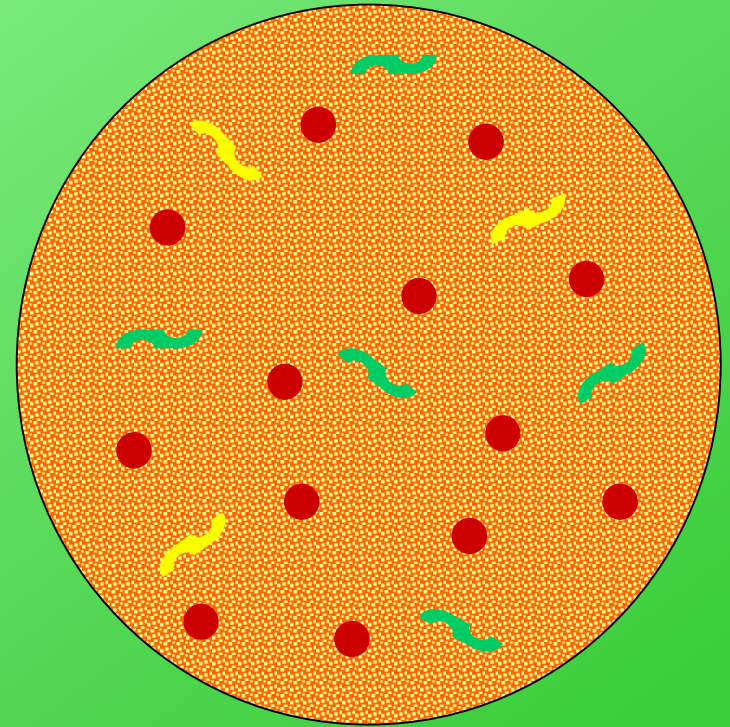
They are useful whenever we need to split things up.

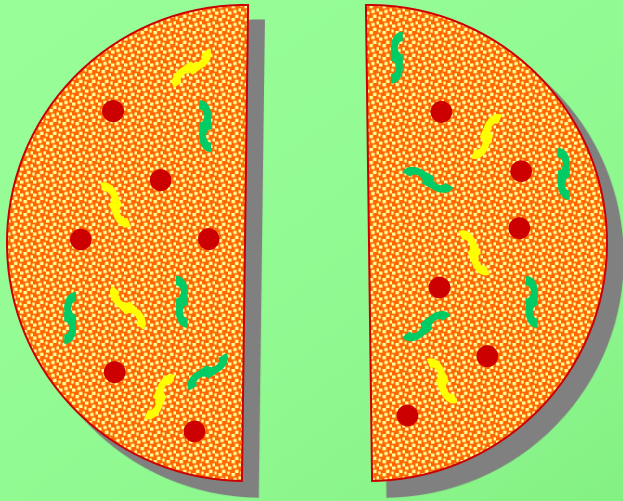




Mario uses fractions to split up his pizzas.

How many parts will he cut it into if he is sharing with his brother Antonio?





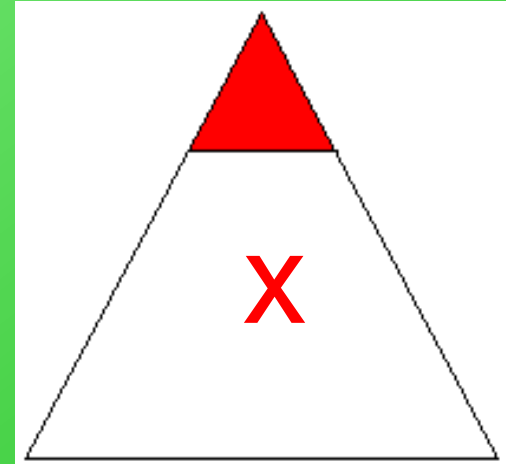
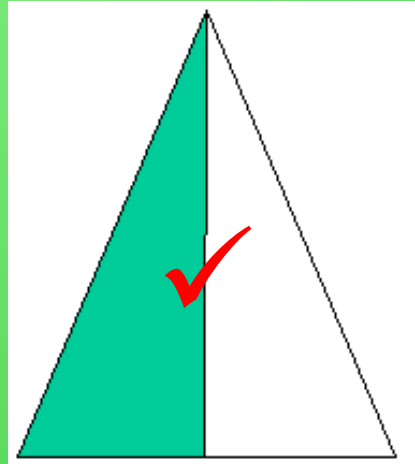
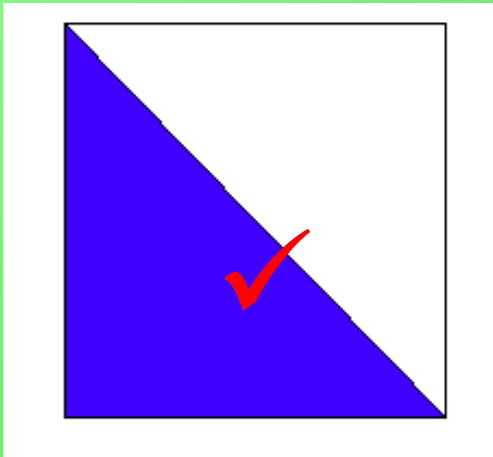
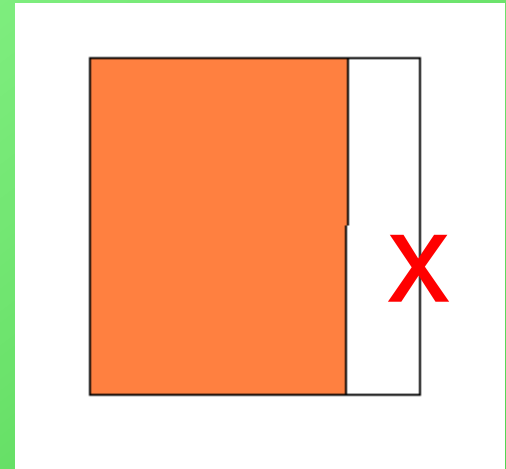
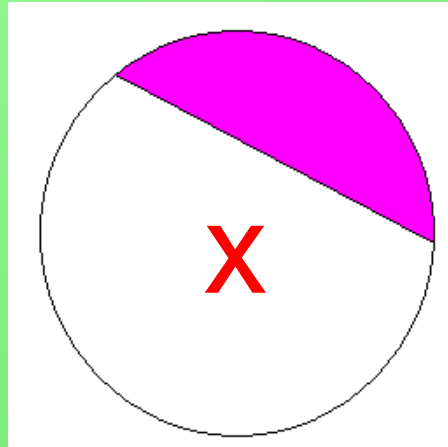
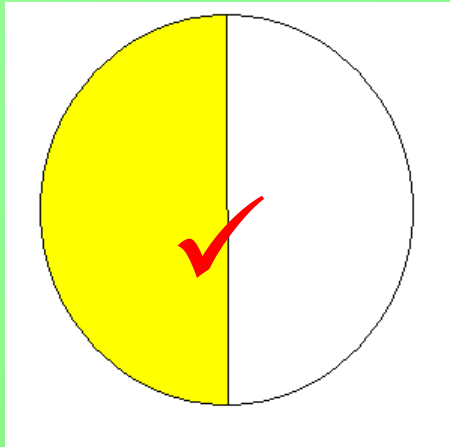
Mario splits the pizza into two equal parts.

Each part is a fraction.

We call these parts halves.

It is important that they are equal.

Which of these shapes are split into halves?



One half can be written like this

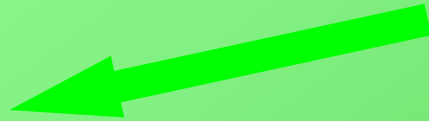
$$\frac{1}{2}$$
The fraction 1/2 is written in a large, black, serif font. A horizontal line separates the numerator '1' from the denominator '2'. Two red arrows point from the text to the fraction: one points to the '1' and the other points to the '2'.

As you can see
fractions are made up
of 2 different parts.

One part on the top
and one part on the
bottom.

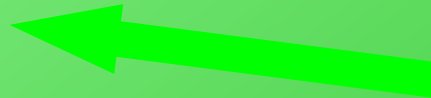
The top and bottom parts of the fraction have different meanings.

1
—



The top number is the number of parts

2



The bottom number is the total number of parts

The numerator is the top part.
It shows how many parts of the
whole we are talking about.

The denominator is the
bottom part.
It shows how many parts the
whole has been split into.

Mario splits another pizza into three equal parts.

Each part is a fraction.

We call these parts thirds.

It is important that they are equal.

A third is less than a half.

Mario splits another pizza into four equal parts.

Each part is a fraction.

We call these parts quarters.

It is important that they are equal.

A quarter is even less than a third.

Task: Now use your knowledge of halves, thirds and quarters to complete the 'fraction wall' activity.

Remember – a quarter is less than a third and a third is less than a half!

FRACTIONS