Fractions

Half

A whole split into two equal parts.

$\frac{1}{2}$

$\frac{1}{2}$ of 8 = 4

Quarter

A whole split into four equal parts.

$\frac{1}{4}$

$\frac{1}{4}$ of 12 = 3

Third

A whole split into three equal parts.

$\frac{1}{3}$

$\frac{1}{3}$ of 6 = 2

Non-unit Fractions

$\frac{2}{3}$

$\frac{3}{4}$
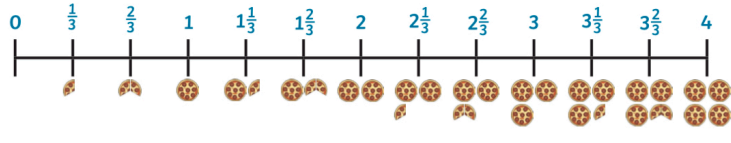
Counting in Fractions

Halves

0    $\frac{1}{2}$ 1 $1\frac{1}{2}$ 2 $2\frac{1}{2}$ 3 $3\frac{1}{2}$ 4 $4\frac{1}{2}$ 5

Thirds

0    $\frac{1}{3}$ $\frac{2}{3}$ 1 $1\frac{1}{3}$ $1\frac{2}{3}$ 2 $2\frac{1}{3}$ $2\frac{2}{3}$ 3 $3\frac{1}{3}$ $3\frac{2}{3}$ 4

Quarters

0    $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{2}{4}$ $1\frac{3}{4}$ 2 $2\frac{1}{4}$ $2\frac{2}{4}$ $2\frac{3}{4}$ 3
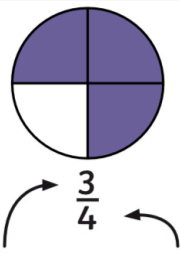
Equivalent Fractions

$\frac{1}{2}$ = $\frac{2}{4}$

=

Numerator and Denominator

$\frac{3}{4}$

Numerator
How many equal parts of the whole are needed?

Denominator
How many equal parts are in the whole?

Key word	Definition
fraction	a number that represents part of a whole, e.g. 1/2
numerator	The number above the line. It shows how many parts there are.
denominator	The number below the line. It shows how many equal parts the number or item has been divided into.
equivalent fractions	fractions that represent the same amount but are expressed using different numbers, e.g. 1/2 and 2/4

Key words:
part
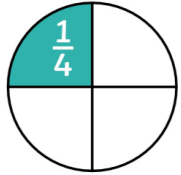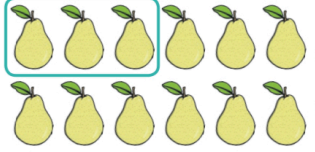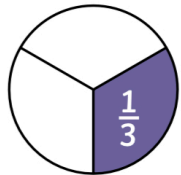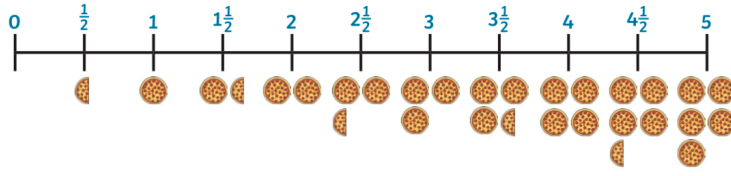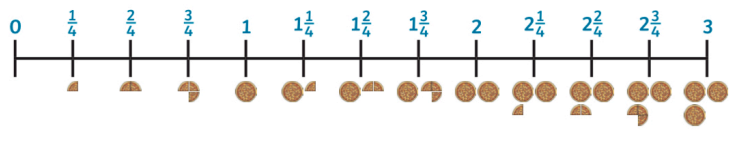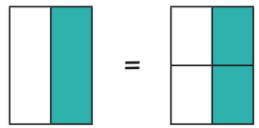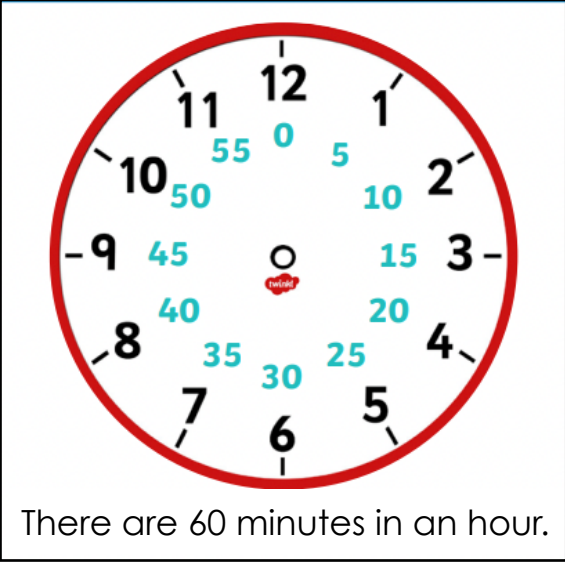whole
equal
share
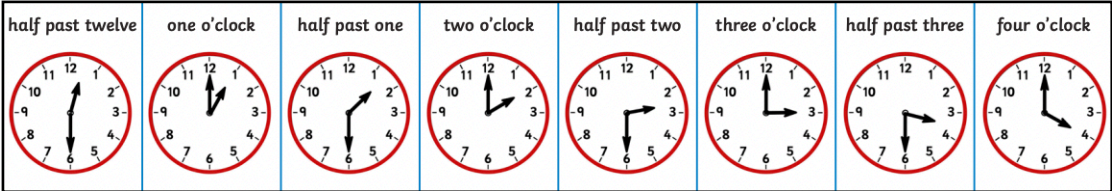half
quarter
third

Maths Knowledge Organiser - Summer 1

Time

Key Vocabulary

Key Vocabulary
time
hours
minute
o'clock
quarter past
quarter to
half past

There are 24 hours in a day.

There are 60 minutes in an hour.

Hour Hand
The short hand points to the hour. If this hand is pointing between hours, it is either past the earlier hour or to the later hour.

Minute Hand
The long hand points to the minutes past or to the hour.

half past twelve	one o'clock	half past one	two o'clock	half past two	three o'clock	half past three	four o'clock

Past and to

o'clock	quarter past	half past	quarter to

Find durations of time

Start	Duration	End

20 minutes has passed.