Templars Primary School Knowledge Organiser
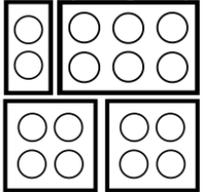
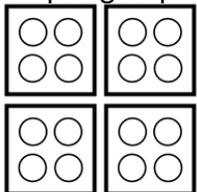# Year 2 Fractions

Key Vocabulary

- fraction
- part
- whole
- equal
- half
- quarter
- third
- unit fraction
- non-unit fraction
- numerator
- denominator
- three-quarters

Make equal parts
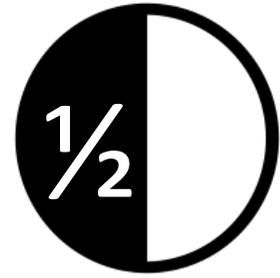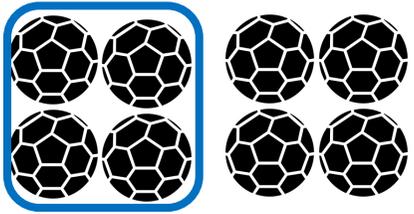
Unequal groups   Equal groups

Three equal groups

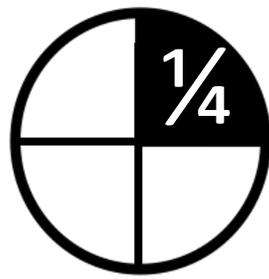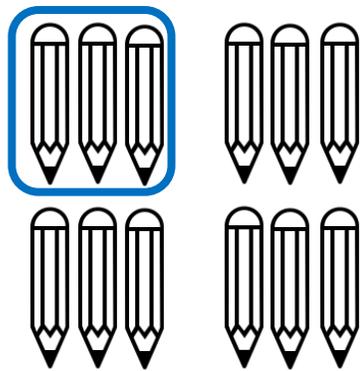A **whole** is one object or one quantity

Three unequal groups

Half

A whole split into **two** equal parts or groups
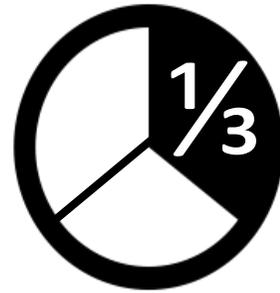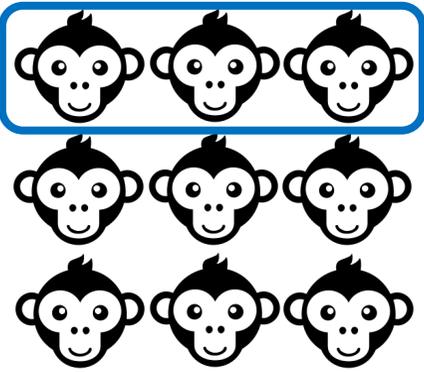
½ of 8 = 4
8 has been split into 2 equal groups

Quarter

A whole split into **four** equal parts or groups

¼ of 12 = 3
12 has been split into 4 equal groups

Third

A whole split into **three** equal parts or groups
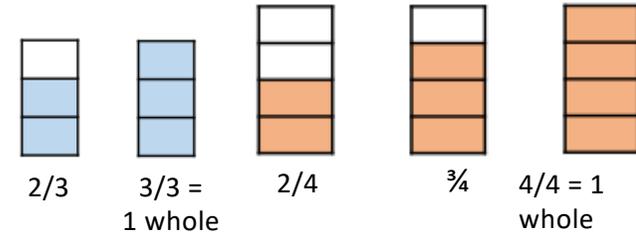
⅓ of 9 = 3
9 has been split into 3 equal groups

Unit Fractions

Unit fractions are one equal part of a whole and their numerator is 1. The greater the denominator, the smaller the fraction.
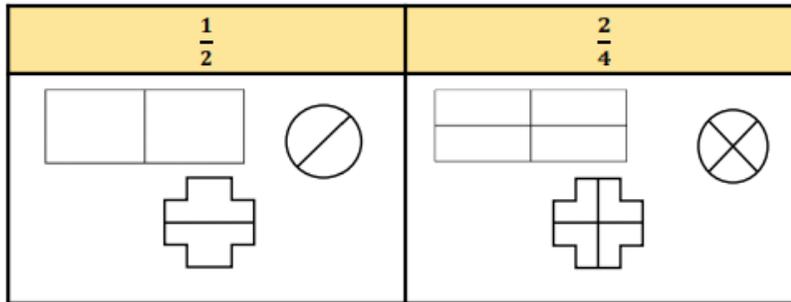
½

1/3

¼

Non-unit fractions
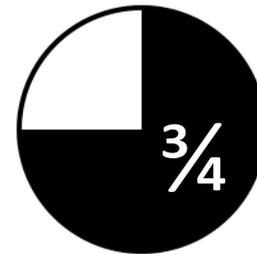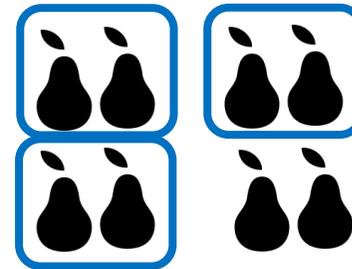
Non-unit fractions have a numerator greater than 1.

2/3

3/3 = 1 whole

2/4

¾

4/4 = 1 whole

Equivalent fractions

Equivalent fractions are fractions that have the same value.

$\frac{1}{2}$

$\frac{2}{4}$

Three quarters

A whole split into **four** equal parts or groups but the total of three of those groups

¾

¾ of 8 = 2

8 has been split into 4 equal groups and then counted three groups

Counting in fractions

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

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

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