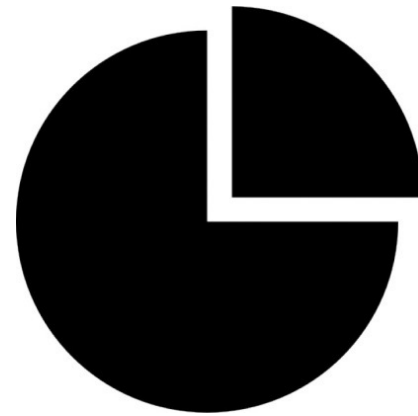


Welcome to  
the KS1  
fractions  
morning!

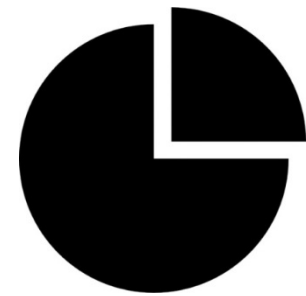


what is a  
fraction?



What is a  
fraction?

A fraction is a  
part of a  
whole



# Key fraction vocabulary

**numerator**

**quarter**

**denominator**

**half**

**whole**

**third**

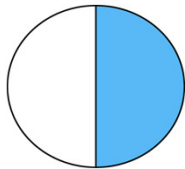


# What do fractions look like?

**numerator**

1

The amount of  
parts  
selected/ident  
ified  
(coloured in)



**denominator**

2

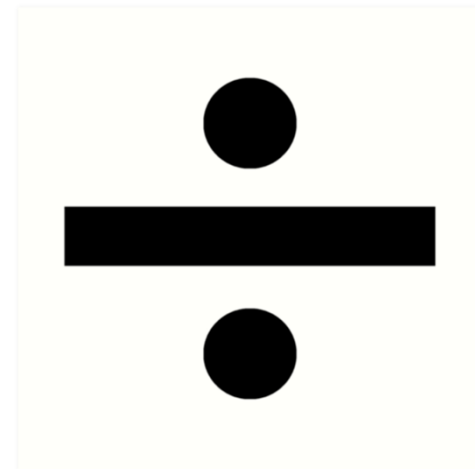
The total  
number of  
equal parts it  
has been  
divided into

# Fractions are directly related to division

Division - splitting or  
separating into equal parts

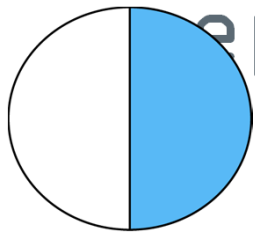
A large blue fraction  $\frac{1}{2}$  is displayed on a light gray and white checkerboard background. The numerator '1' is positioned above a horizontal blue line, and the denominator '2' is positioned below it.

Their  
notation is  
similar  
too!



# Representing fractions

There are different ways to represent fractions -



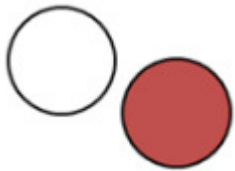
representing a part of a whole pictorially

$$6 \div 2 = 3$$

as division

$$\frac{1}{2}$$

as a written fraction



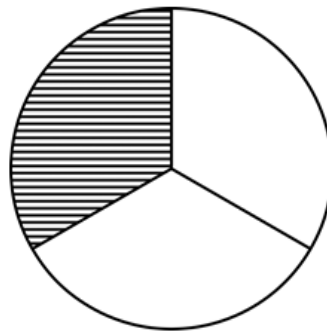
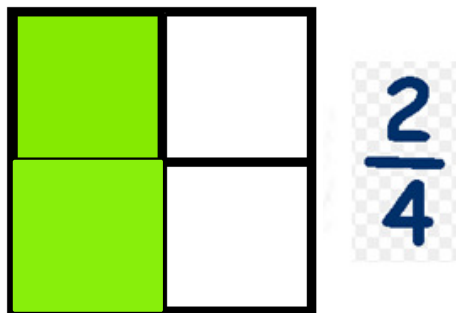
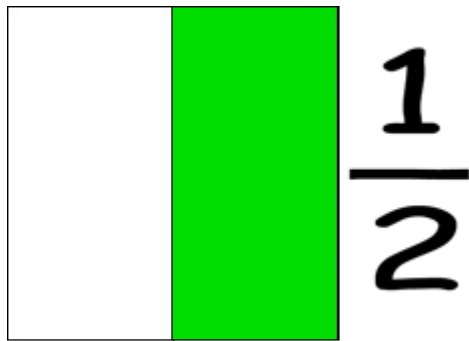
a part of a set

Within Key Stage 2 as percentages and decimals

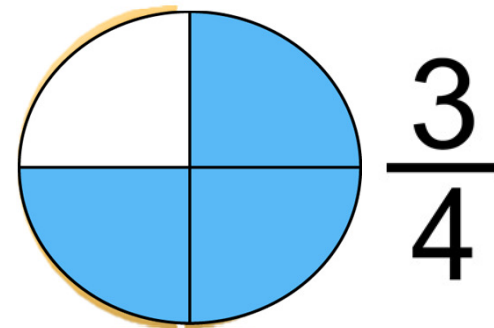
**50% OFF**

$$0.5 = \frac{1}{2}$$

# The fractions covered in Key Stage One



$\frac{1}{3}$





# The STEM sentences that we use to teach fractions

There are \_\_\_\_\_ parts  
selected.

There are \_\_\_\_\_ equal  
parts in total

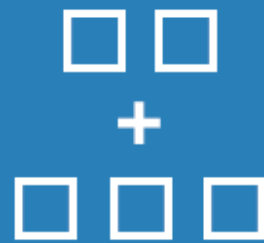


# Learning about fractions

We begin with the  
concrete - pictorial -  
abstract approach



**CONCRETE**



**PICTORIAL**

$$2 + 3 = 5$$

**ABSTRACT**

# Fractions in Reception

Fractions not introduced formally.

## Early Learning Goal

- Solve problems, including doubling, halving and sharing.







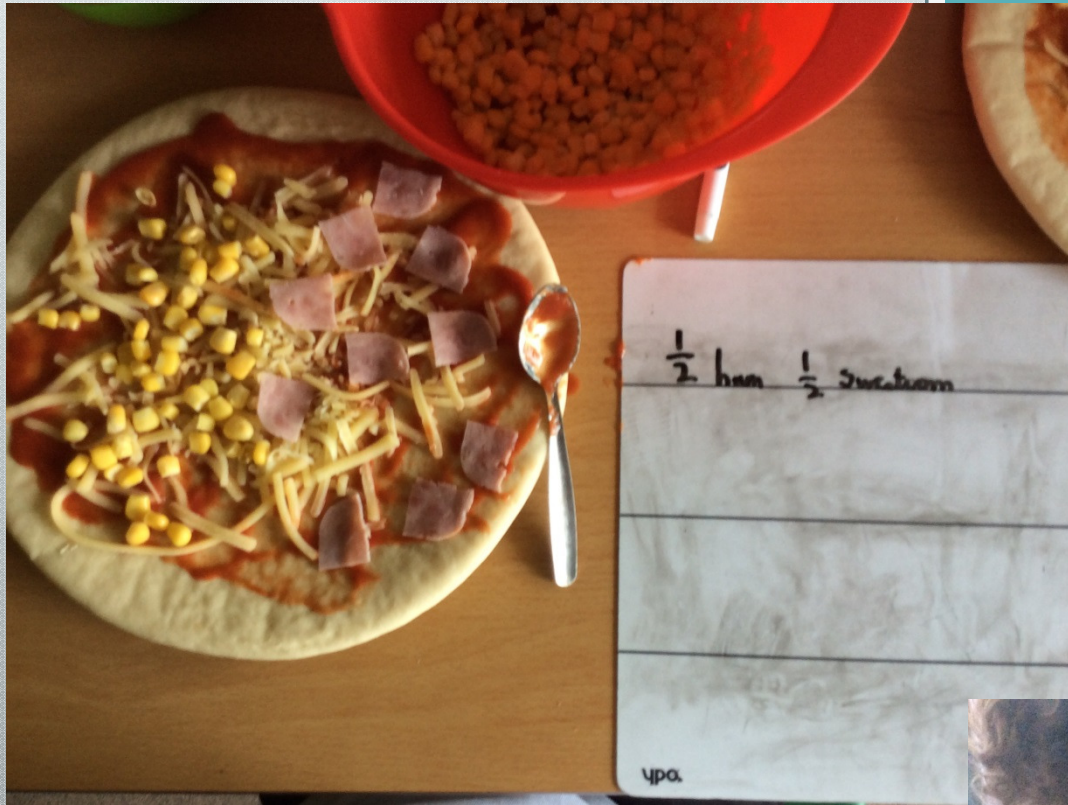


# Fractions in Year One

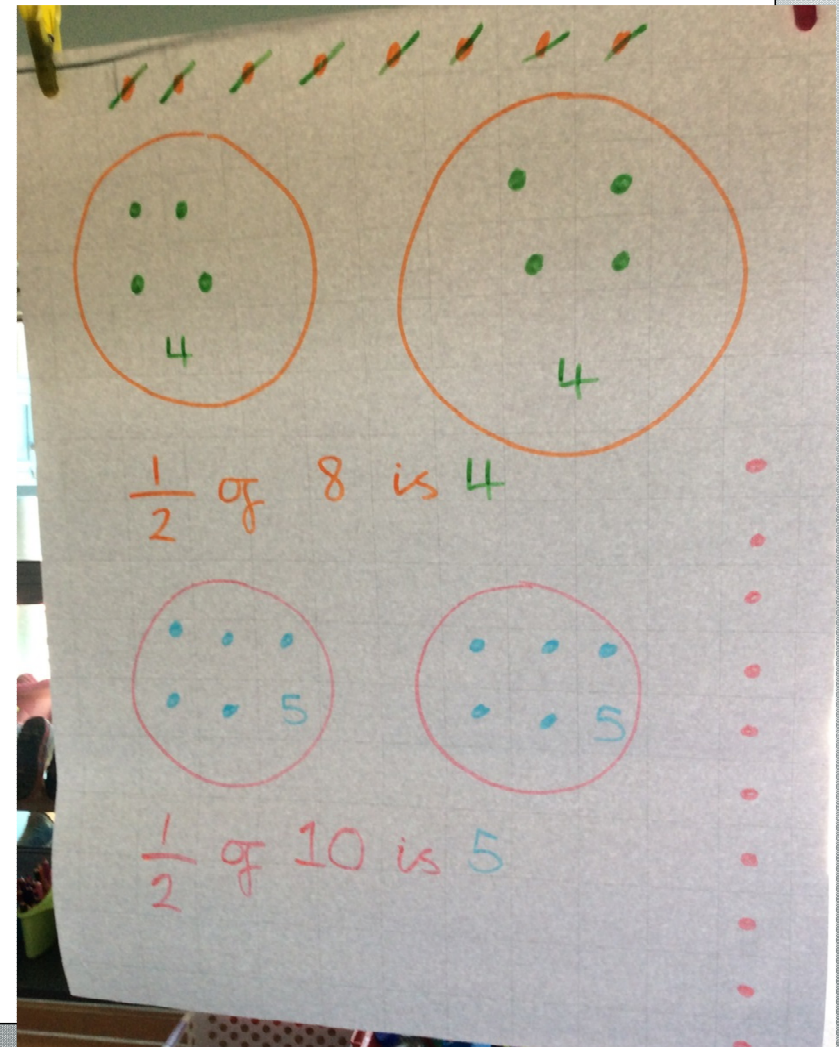
## National Curriculum objectives

- Recognise, find and name a half as one of two equal parts of an object, shape or quantity.
- Recognise, find and name a quarter as one of four equal parts of an object, shape or









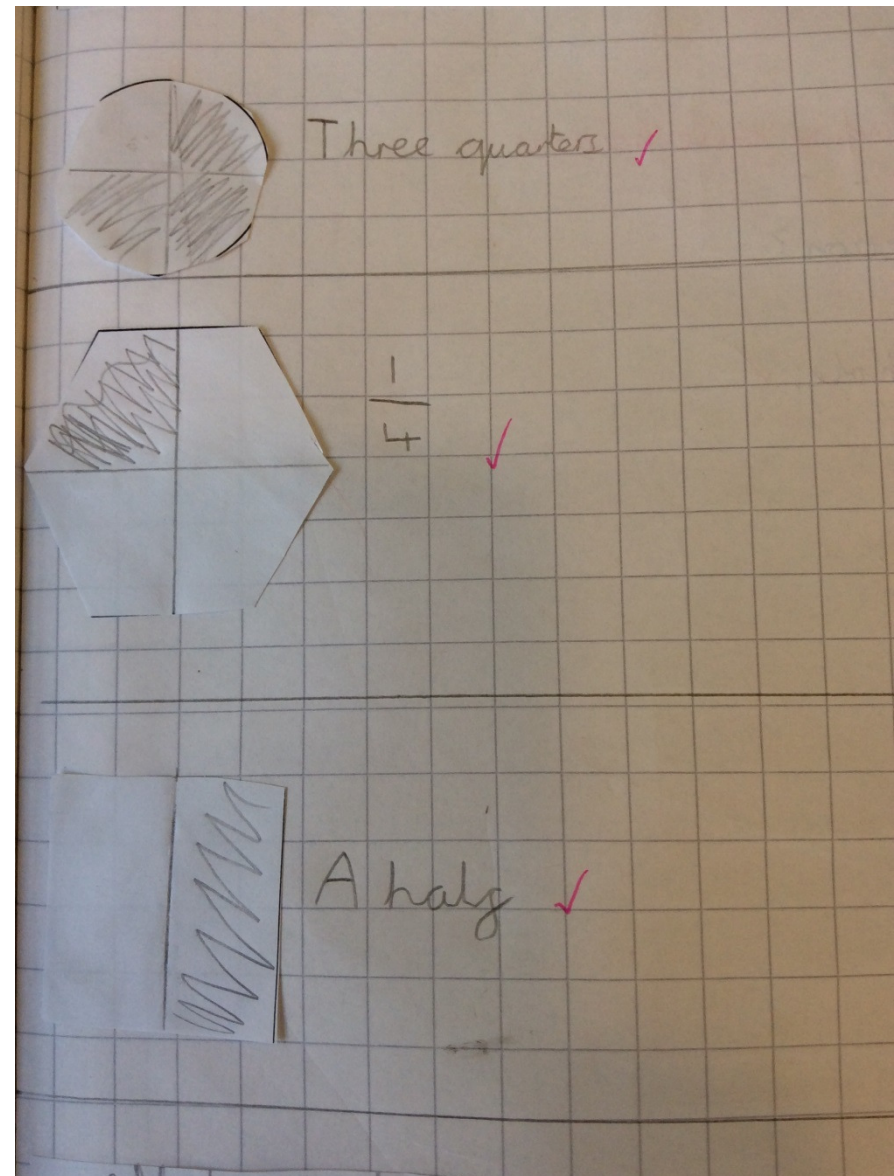
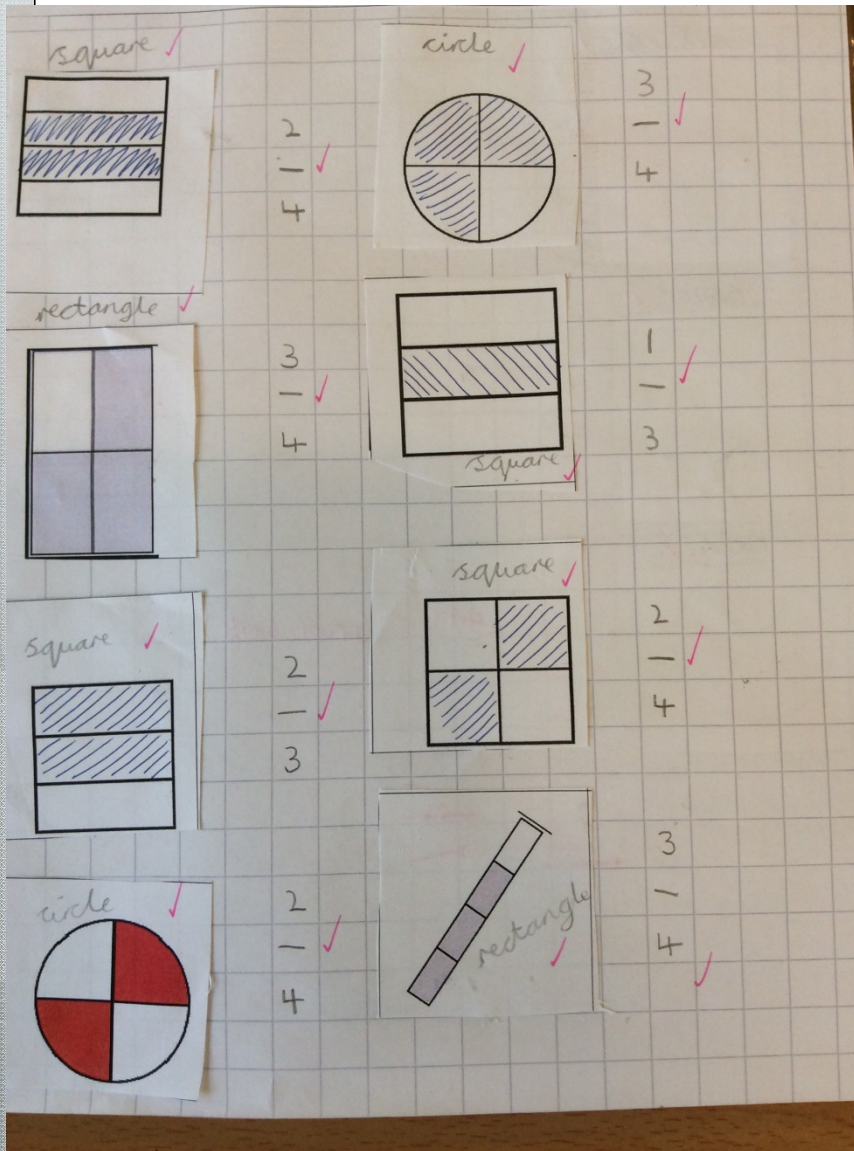
# Fractions in Year Two

## National Curriculum objectives

- Recognise, find, name and write fractions  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$  and  $\frac{3}{4}$  of a length, shape, set of objects or quantity.
- ☐ Write simple fractions for example,

$\frac{1}{4}$  of 1 = 3 and recognise the

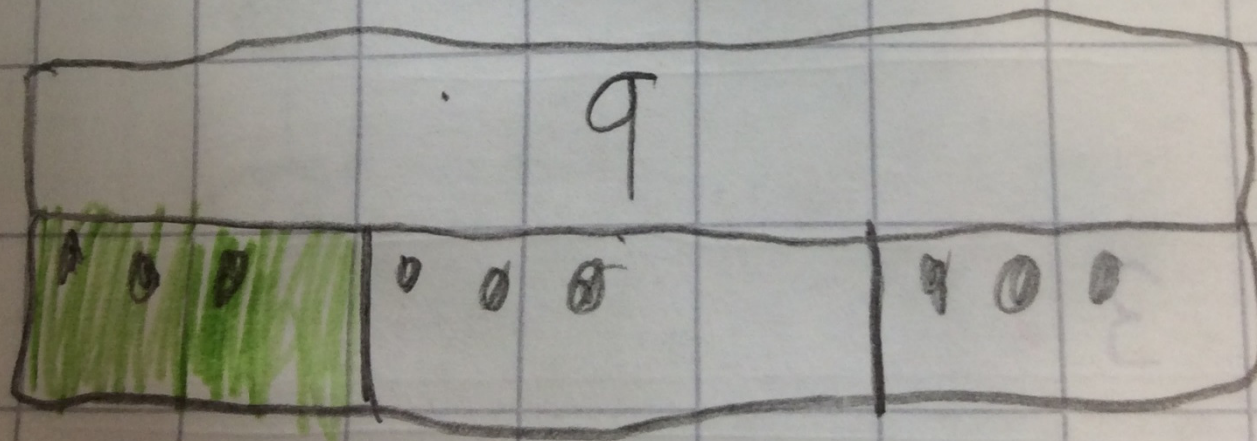






$\frac{1}{3}$  of 9 is 3

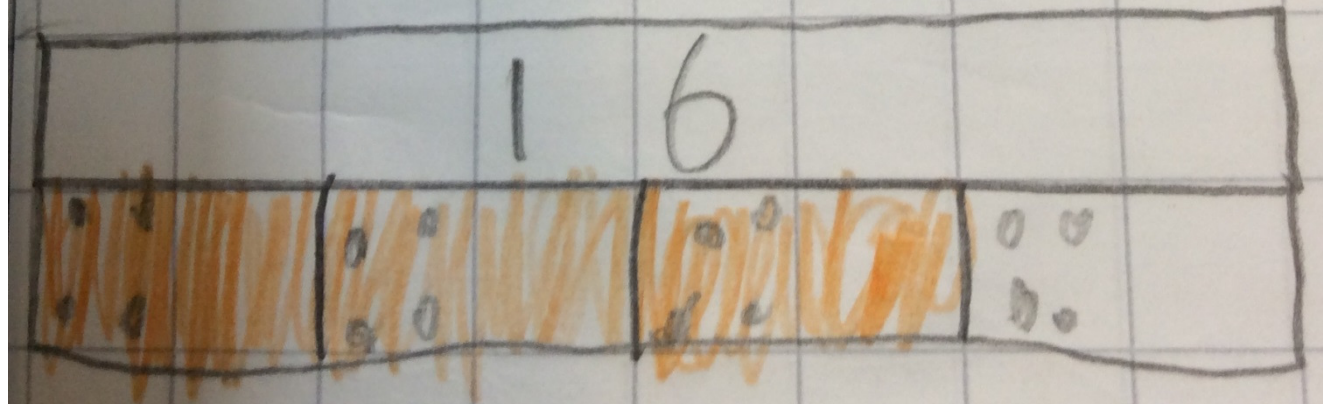
$$9 \div 3 = 3 \checkmark$$





3 of 16 is 12 ✓  
4

$$16 \div 4 = 4 \quad \checkmark$$



# Your turn!

- SATs questions - end of

- Fractions mastery questions- Y1

- Fractions mastery questions - Y2

