Year 3 Maths
Steppingstone activity

Lesson 26

LO: To find a half
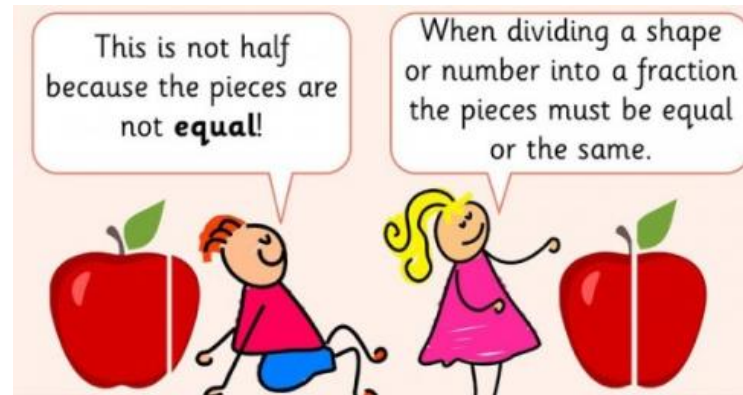
Begin by watching this song about halving:

https://www.bbc.co.uk/bitesize/clips/zqf34wx

A half means '**one** of two **equal parts**'

whole   half   share equally
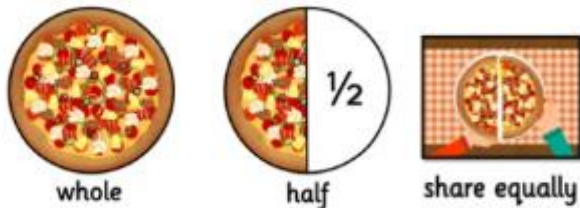
A half is a type of **fraction.**
Fraction means **part of a whole.**

Model: When your brother or sister complains that you Got the bigger half, tell them there is no such thing!
Halves (and all fractions) must be equal.

This is not half because the pieces are not **equal!**

When dividing a shape or number into a fraction the pieces must be equal or the same.

Task 1: Ask your adult at home if they can help you practise cutting up some e.g. fruit/cake/sandwich/pizza into halves – try your hardest to make them equal. Can you cut each piece in half again?

Task 2:

Eva and Jack are both attempting to split a rectangle in half.

Jack thinks he can find three more ways.

Eva

Jack

**Find Jack's three examples.**

Year 3 Maths

Lesson 26

LO: To recognise unit fractions and non-unit fractions

Success Criteria:

1. Count how many equal parts have been shaded – this is the numerator (TOP number)
2. Count how many equal parts there are altogether – this is the denominator (BOTTOM number)
3. Write the numbers on top of each other

A fraction is an equal part of a whole.

A **unit fraction** is any fraction where the **numerator is 1**, eg ¼.

Numerator
1 out of 4 equal parts
$\frac{1}{4}$
Denominator   'one quarter'
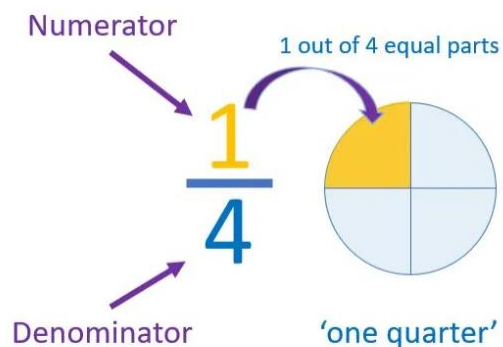
A **non-unit fraction** is a fraction where the **numerator is <u>not</u> 1**, eg ¾

3 ← Numerator
4 ← Denominator

$\frac{1}{8}$
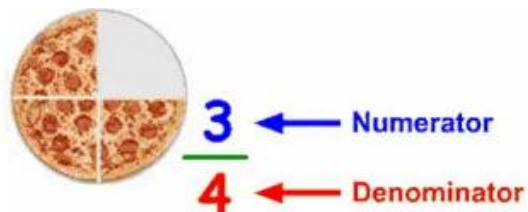
If you can, watch this BBC Bitesize video on Unit and non-unit fractions:

https://www.bbc.co.uk/bitesize/topics/zhdwxnb/articles/zxcfjty

Model:**What fraction of each shape is shaded?**

$\frac{1}{5}$ $\frac{3}{5}$
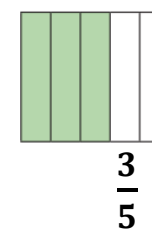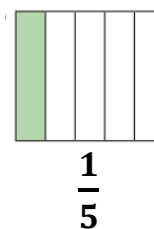
Numerator shows how many parts shaded.

Denominator shows how many parts in total.

Now you try:

a)   b)

Year 3 Maths - Main activity
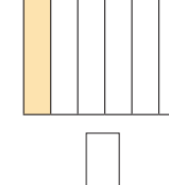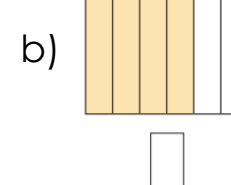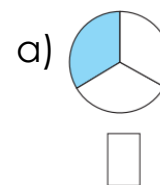
Complete at least 2 columns – more if you like!

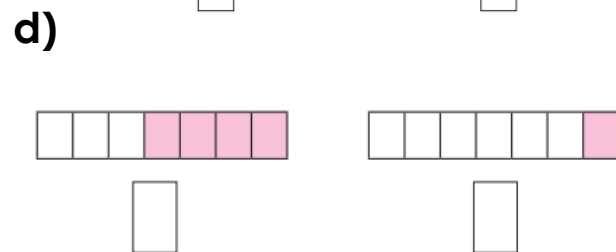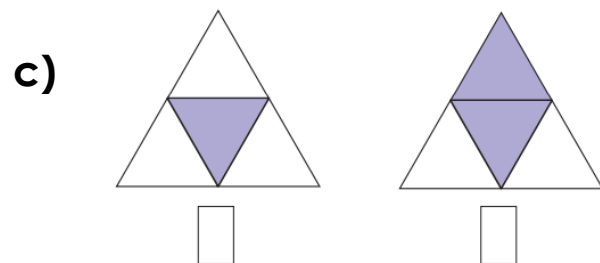| Task 1	Task 2	Task 3	Task 4
Practice	**Practice**	**Complete the sentences.**	**Write the fractions in the table:**

Task 1

Practice

Write fractions to complete the sentences.

a) [ ] of the counters are yellow.

b) [ ] of the counters are red.

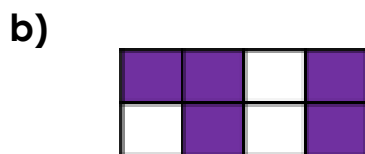**What fraction of each shape is shaded? Tick the unit fraction in each pair.**

c)

d)

Task 2

Practice
Complete the sentences to describe the images.

a)

___ out of ___ equal parts are shaded.

[ ]/[ ] of the shape is shaded.

b)

___ out of ___ equal parts are shaded.

[ ]/[ ] of the shape is shaded.

Task 3

Complete the sentences.

A unit fraction always has a numerator of _____

A non-unit fraction has a numerator that is _____ than _____

An example of a unit fraction is _____

An example of a non-unit fraction is ____

Now draw a unit fraction and a non-unit fraction with the same denominator.

Task 4

Write the fractions in the table:

$\frac{1}{6}$ $\frac{2}{3}$ $\frac{3}{5}$ $\frac{1}{4}$ $\frac{1}{8}$ $\frac{3}{4}$ $\frac{1}{10}$ $\frac{1}{250}$ $\frac{1}{99}$ $\frac{6}{1}$

Unit fractions	Non-unit fractions

Write two or more examples of your own in each column.