

Y4 Spring: Decimals and Fractions

Unit 2 (3 days)

Identify equivalent fractions; Add and subtract fractions

You will need:

To read or look at on screen	To print out and write on
<ol style="list-style-type: none">1. Teaching revision – copies of the slides for Days 1 to 3.2. As appropriate – the Extra Support.3. As advised – the Investigation.	<ol style="list-style-type: none">1. Practice sheets for Days 1 to 3.2. Mastery questions – to be completed after the practice sheets.3. Possibly the sheets required for the Extra Support or Investigation activities.

Day 1

- First revise the teaching by looking over the PowerPoint slides for the day. This is on [identifying equivalent fractions, especially in relation to halves and quarters](#).
- Review and complete the practice sheet. Try the challenge.

Day 2

- First revise the teaching by looking over the PowerPoint slides for the day. This is on [writing fractions in their simplest form](#).
- Review and complete the practice sheet. Try the challenge.

Day 3

- First revise the teaching by looking over the PowerPoint slides for the day. This is on [adding and subtracting fractions with the same denominator](#).
- Review the practice sheet. Answer as many questions as you can. Try the challenge.

Also available and to use as advised by the teacher:

- An in-depth investigation: *Best score for me!*
- An Extra Support activity: *The Half Family* and/or *Wall-to-wall Fractions* which will really help if you are finding the practice sheets tricky...


At the end of the Unit

Have a really good go at the [Mastery Questions](#). Have you been able to do these?

Teaching revision: Day 1

Identify equivalent fractions, especially in relation to halves and quarters

Day 1: Identify equivalent fractions, especially in relation to halves and quarters.



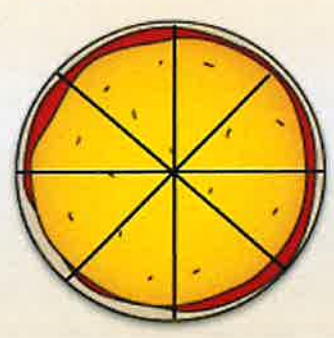
How many $\frac{1}{4}$ s and $\frac{1}{8}$ s are the same as (equivalent to) $\frac{1}{2}$?

$\frac{1}{2} \equiv \frac{2}{4}$ and $\frac{1}{2} \equiv \frac{4}{8}$

The \equiv sign means equivalent or 'the same as'.

Day 1: Identify equivalent fractions, especially in relation to halves and quarters.

Draw a pizza and divide it into quarters.



Now show eighths.


How many $\frac{1}{8}$ s are the same as $\frac{1}{4}$?

How many $\frac{1}{8}$ s are the same as $\frac{3}{4}$?


Teaching revision: Day 1

Identify equivalent fractions, especially in relation to halves and quarters

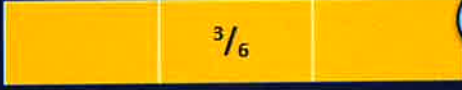
Day 1: Identify equivalent fractions, especially in relation to halves and quarters.

Write at least 2 more fractions equivalent to a half. 

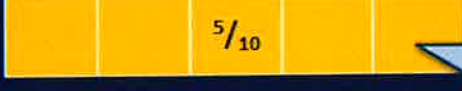
Here are some...




$\frac{10}{20}$



$\frac{3}{6}$



$\frac{5}{10}$



$\frac{1}{2}$


What do you notice about these fractions?

The **numerator** (top of the fraction) is always **half** the **denominator** (bottom of the fraction)!


Day 1: Identify equivalent fractions, especially in relation to halves and quarters.

How many **sixteenths** do you think are **equivalent** to $\frac{1}{2}$ and $\frac{1}{4}$?

Let's check...



$\frac{1}{2} \equiv \frac{8}{16}$



$\frac{1}{4} \equiv \frac{4}{16}$

Now complete the practice sheet. Try the challenge.