## Year 3: Week 3, Day 1 <br> Use a fraction wall to compare pairs of fractions

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. If possible, watch the PowerPoint presentation with a teacher or another grown-up.
Print a copy of the Fraction Wall resource sheet to use while you watch (see next page).


OR start by carefully reading through the Learning Reminders.
They come from our PowerPoint slides.

2. Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?



Learning Reminders
Use a fraction wall to compare pairs of fractions.


## Learning Reminders

Use a fraction wall to compare pairs of fractions.
 has 2 at the bottom; the denominator.

If we shade just one of part of this strip
we have shaded $1 / 2$

Use a fraction wall to compare pairs of fractions.

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Learning Reminders

Use a fraction wall to compare pairs of fractions.


## Practice Sheet for All Comparing fractions

Work through as many of these questions as you can, then have a go at the Challenge.
Use the fraction wall to compare fractions. Write > or < between each pair.


1. $\frac{1}{3} \frac{1}{2}$
2. $\frac{1}{3} \frac{1}{4}$
3. $\frac{1}{2} \frac{2}{3}$
4. $\frac{3}{4} \quad \frac{2}{3}$
5. $\frac{1}{5} \quad \frac{1}{8}$
6. $\frac{1}{7} \frac{1}{6}$
7. $\frac{4}{5} \quad \frac{7}{8}$
8. $\frac{2}{5} \frac{2}{7}$

## Challenge

Accurately draw another row on the fraction wall for tenths (there are two tenths in every fifth).
Now write at least five pairs of fractions, using < or >, to compare with different numbers of tenths.

Practice Sheet Answers
Comparing fractions

1. $\frac{1}{3}<\frac{1}{2}$
2. $\frac{1}{3}>\frac{1}{4}$
3. $\frac{1}{2}<\frac{2}{3}$
4. $\frac{3}{4}>\frac{2}{3}$
5. $\frac{1}{5}>\frac{1}{8}$
6. $\frac{1}{7}<\frac{1}{6}$
7. $\frac{4}{5}<\frac{7}{8}$
8. $\frac{2}{5}>\frac{2}{7}$

Challenge

| $\frac{1}{5}$ |  | $\frac{1}{5}$ |  | $\frac{1}{5}$ |  | $\frac{1}{5}$ |  | $\frac{1}{5}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ |

e.g. $\quad \frac{3}{10}>\frac{1}{10} \quad \frac{4}{10}<\frac{6}{10} \quad \frac{2}{10}<\frac{7}{10} \quad \frac{5}{10}>\frac{2}{10} \quad \frac{9}{10}>\frac{8}{10}$

## A Bit Stuck? <br> The Half Family

## Work in pairs

Things you will need:

- A pencil
- A fraction wall
- Coloured pencil

- Scissors
- Glue sticks


## What to do:

- Colour in $1 / 2$ of the strip divided into halves.
- Cut the fraction wall into strips.
- Lay each strip one at a time next to the strip of halves until you find a number of fractions which are the same size as $1 / 2$. Colour in half of this strip.
- Repeat for each strip until you have found all the fractions which are equivalent (same size) to $1 / 2$.
- Stick these fractions under one another.
- Write the pairs of equivalent fractions.



## S-t-r-e-t-c-h:

Cut another fraction wall into strips. Colour in one quarter of the strips of quarters. Look for fractions equivalent to $1 / 4$, stick under strips of quarters and write the pairs of equivalent fractions.

## Learning outcomes:

- I can find fractions which are equivalent to $1 / 2$.
- I am beginning to find fractions which are equivalent to $1 / 4$.
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