## Year 3: Week 3, Day 1 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.

 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.

 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?





4.538 - 0.02

5.846 - 0.211

4.538 - 0.004

6.231 + 0.11

6.231 + 0.011

5.846 - 0.13



Lesson Resource Sheet Fraction wall															
	1														
	$\frac{1}{2}$ $\frac{1}{2}$														
			$\frac{1}{3}$					$\frac{1}{3}$ $\frac{1}{3}$							7
		<u>1</u> 4				<u>1</u> 4	<u>1</u>							<u>1</u>	
	<u>1</u> 5			<u>1</u> 5		$\frac{1}{5}$			<u>1</u> 5			<u>1</u> 5			
	<u>1</u> 6	1 6 1 6			$\frac{1}{6}$		<u>1</u> 6	<u>1</u>				<u>1</u> 6			
	1 <del>7</del>			<u>1</u> 7		<u>1</u> 7		$\frac{1}{7}$	1 7		<u>1</u> 7			<u>1</u> 7	
	1 <u>8</u>		<u>1</u> 8		<u>1</u> 8		$\frac{1}{8}$	<u>1</u> 8		<u>1</u> 8		1 8		1 8	
	<u>1</u> 9		<u>1</u> 9		<u>1</u> 9	<u>1</u> 9		1 9	<u>1</u> 9		1 9	<u>1</u> 9		<u>1</u> 9	
	1 10	1 1	Ō	1 10		1 10	<u>1</u> 10	1 10	10 10		1 10	1	Ō	<u>1</u> 10	
	11	1 11		1 11	1		111	11	1	1 11	1 11		1 11	1	
	$\frac{1}{12}$	1 12	ī	2	1 12	$\frac{1}{12}$	1 12	1 12	1 12	1 12	Ī	2	1 12	1 12	
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## **Learning Reminders**



## **Learning Reminders**



## **Learning Reminders**



## 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														
				$\frac{1}{2}$										
		$\frac{1}{3}$	$\frac{1}{3}$ $\frac{1}{3}$											
<u>1</u> 4	$\frac{1}{4}$			$\frac{1}{4}$						$\frac{1}{4}$				
<u>1</u> 5		$\frac{1}{5}$		<u>1</u> 5					$\frac{1}{5}$			<u>1</u> 5		
<u>1</u> 6	$\frac{1}{6}$		$\frac{1}{6}$		<u>1</u> 6		<u>1</u> 6				$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{7}$	$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$		1		$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$	
$\frac{1}{8}$	$\frac{1}{8}$ $\frac{1}{8}$		<u>1</u> 8	$\frac{1}{8}$			<u>1</u> 8		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$	

 $\frac{1}{2}$  $\frac{1}{3}$ 1.  $\frac{13}{12}$   $\frac{12}{34}$ <u>14 23 23 18 16</u> 2. 3. 4. <u>1</u> 5 5. <u>1</u> 7 6. <u>7</u>8  $\frac{4}{5}$ 7. <u>2</u> 5  $\frac{2}{7}$ 8.

#### 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.

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#### Work in pairs

#### Things you will need:

- A pencil
- A fraction wall
- Coloured pencil
- Scissors
- Glue sticks

#### What to do:

- Colour in  $\frac{1}{2}$  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  $\frac{1}{2}$ . Colour in half of this strip.
- Repeat for each strip until you have found all the fractions which are equivalent (same size) to  $\frac{1}{2}$ .
- Stick these fractions under one another.
- Write the pairs of equivalent fractions.

0	1/6	1/6	1/6	1/6	1/6	1/6	
C	-/4		-74	-/4		-/4	$\frac{2}{4} = \frac{1}{2}$
~	1/4		1/4	1/4		1/4	
0		1/2					
0							
U							

#### 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  $\frac{1}{2}$ .
- I am beginning to find fractions which are equivalent to  $^{1}\!\!/_{4}$ .

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A Bit Stuck? The Half Family

1 1/2 <sup>1</sup>/2 1/3 1/3 1/3 1/4 1/4  $1/_{4}$ 1/4 1/5 1/5 1/5  $1/_{5}$ 1/5 1/6 1/6 1/6 1/6 1/6 1/6 1/7 1/7 1/7 1/7 1/7 1/7 1/7 1/81/8 1/8 1/8 1/81/81/81/8 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/9 1/10 1/10 1/10 <sup>1</sup>/<sub>10</sub> 1/10 1/10 1/10 1/10 1/10 1/10 1/11 1/11 1/11 1/11 1/11 1/11 1/11 1/11 1/11 1/11 1/11 <sup>1</sup>/<sub>12</sub> <sup>1</sup>/<sub>12</sub> <sup>1</sup>/<sub>12</sub> <sup>1</sup>/<sub>12</sub> 1/12 <sup>1</sup>/<sub>12</sub> <sup>1</sup>/<sub>12</sub> <sup>1</sup>/<sub>12</sub>  $^{1}/_{12}$ <sup>1</sup>/<sub>12</sub> <sup>1</sup>/<sub>12</sub> <sup>1</sup>/<sub>12</sub>

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