Year 4: Week 3, Day 1 Equivalent fractions

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

- Start by 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. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**...

1.





12. 4.789 + 0.0

11. 5.846 - 0.20



Learning Reminders



Learning Reminders



Learning Reminders



Practice Sheet Mild Fractions practice

Draw a circle round all the fractions which are equivalent to $\frac{1}{2}$. Draw a square round all the fractions which are equivalent to $\frac{1}{4}$.

<u>2</u>	<u>3</u>	<u>6</u>	<u>5</u>
4	4	12	20
<u>20</u>	<u>2</u>	<u>4</u>	<u>3</u>
40	8	10	12
$\frac{2}{6}$ $\frac{4}{8}$ $\frac{8}{16}$	$\frac{8}{12}$ - $\frac{10}{20}$	$\frac{2}{5}$ $\frac{10}{40}$ $\frac{5}{10}$	$\frac{3}{6}$ $\frac{9}{18}$ $\frac{2}{3}$ $\frac{4}{16}$
Challenge Write at le more equ	east two more frivalent to $\frac{1}{4}$.	actions equivo	alent to $\frac{1}{2}$ and two

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Practice Sheet Hot Fractions practice

Use the fraction wall to help you to write pairs of equivalent fractions.





A Bit Stuck? 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 $\frac{1}{2}$ 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	
0	1/4		1/4	1/4		1/4	² / ₄ = ¹ / ₂
0		1/2					
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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 $^{1}\!\!/_{4}$.

A Bit Stuck? The Half family

1																		
1/2							1/2											
1/3				1/3					1/3									
1/4				1/4 1/4			1/.				1/4							
1/	′ 5			1,	/5		1/5				1/5			1/5				
1/6			1,	1/6			1/6			1/6			1/6				1/6	
1/7		-	1/7			1/7 1/			/7	1/7				1/7			1/7	
1/8		1/8	3	1/8		1/8		1/8		1/8		1	1/8		1/8			
1/9		1/9		1/9		1/9		1	/9 1/9		1/9			1/9		1/9		
1/10	1/	' 10	1/	10	1	/10	1	/10	1/	10	1/1	0	1/1)	1/	10	¹ /10	
1/11	1/1	.1	¹ /11	_ 1	^L /11	1 1	/11	1/	11	1/1	11	^l /11	1	' 11	1	/11	1/11	
1/12	¹ /12	2 1	/12	1/1	2	¹ /12	1	/12	1/1	2	¹ /12	1/	12	¹ /1	2	¹ /12	1/12	

A Bit Stuck? The Half family

1 1/2 1/2 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 ¹/₁₀ 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 1/12 1/12 ¹/₁₂ ¹/12 ¹/₁₂ ¹/₁₂ ¹/₁₂ ¹/₁₂ $^{1}/_{12}$ ¹/₁₂ ¹/₁₂ ¹/₁₂

