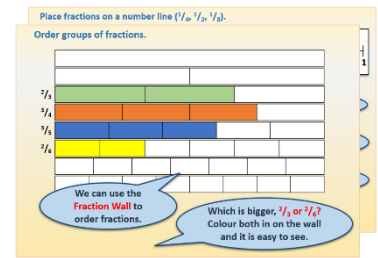


Year 3: Week 3, Day 2

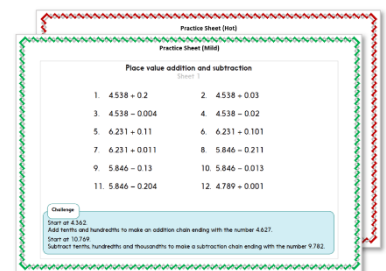
Use a fraction wall to order groups of fractions

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

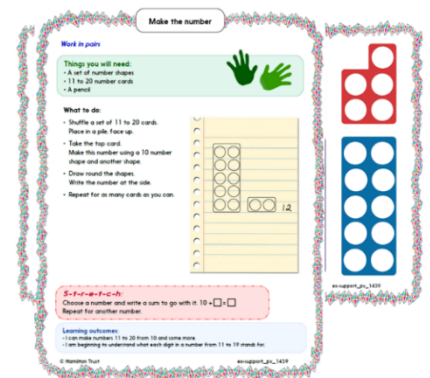
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



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



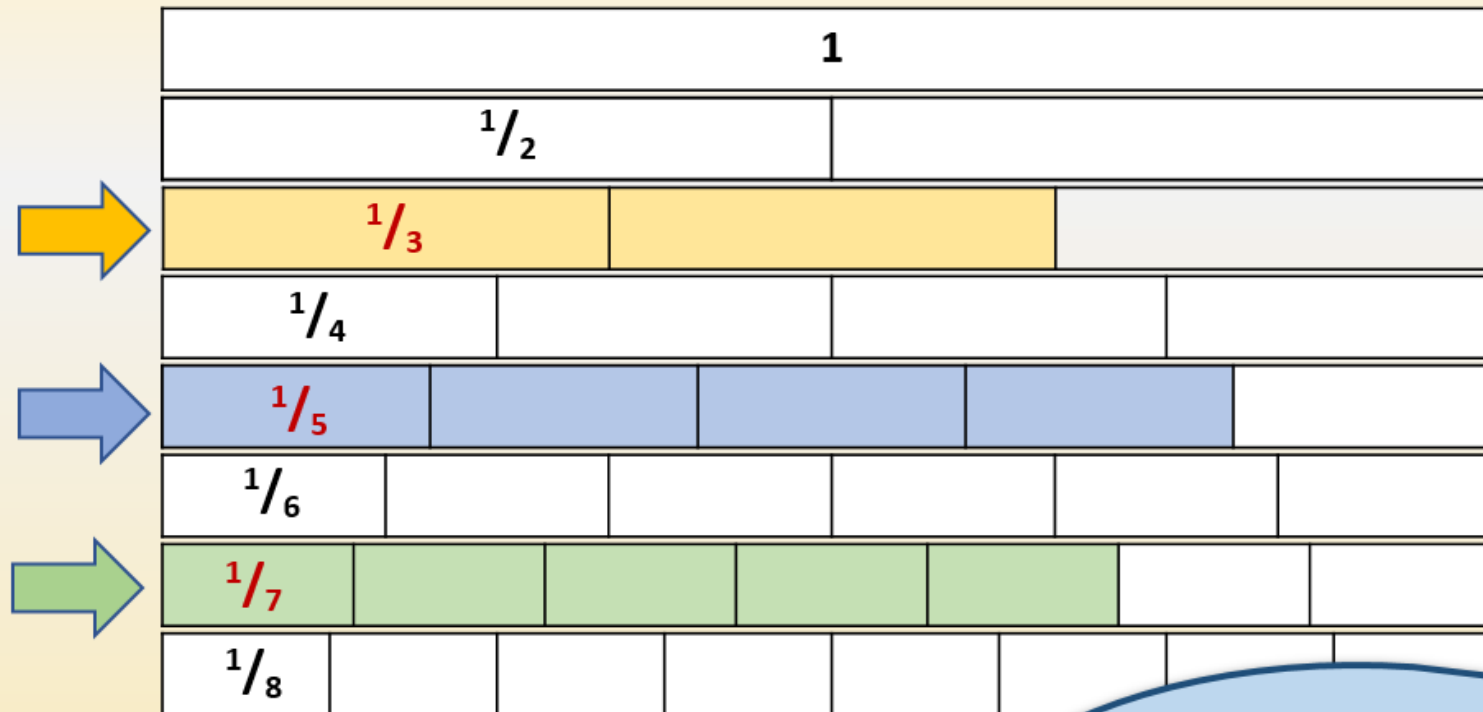
3. Finding it tricky? Answer some questions based on the **A Bit Stuck?** activity from yesterday.



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

Learning Reminders

Compare and order fractions.



Which shaded fraction is largest: $\frac{2}{3}$, $\frac{4}{5}$ or $\frac{5}{7}$?

Writing *largest first*, we can see that:

$$\frac{4}{5} > \frac{5}{7} > \frac{2}{3}$$

Learning Reminders

Compare and order fractions.

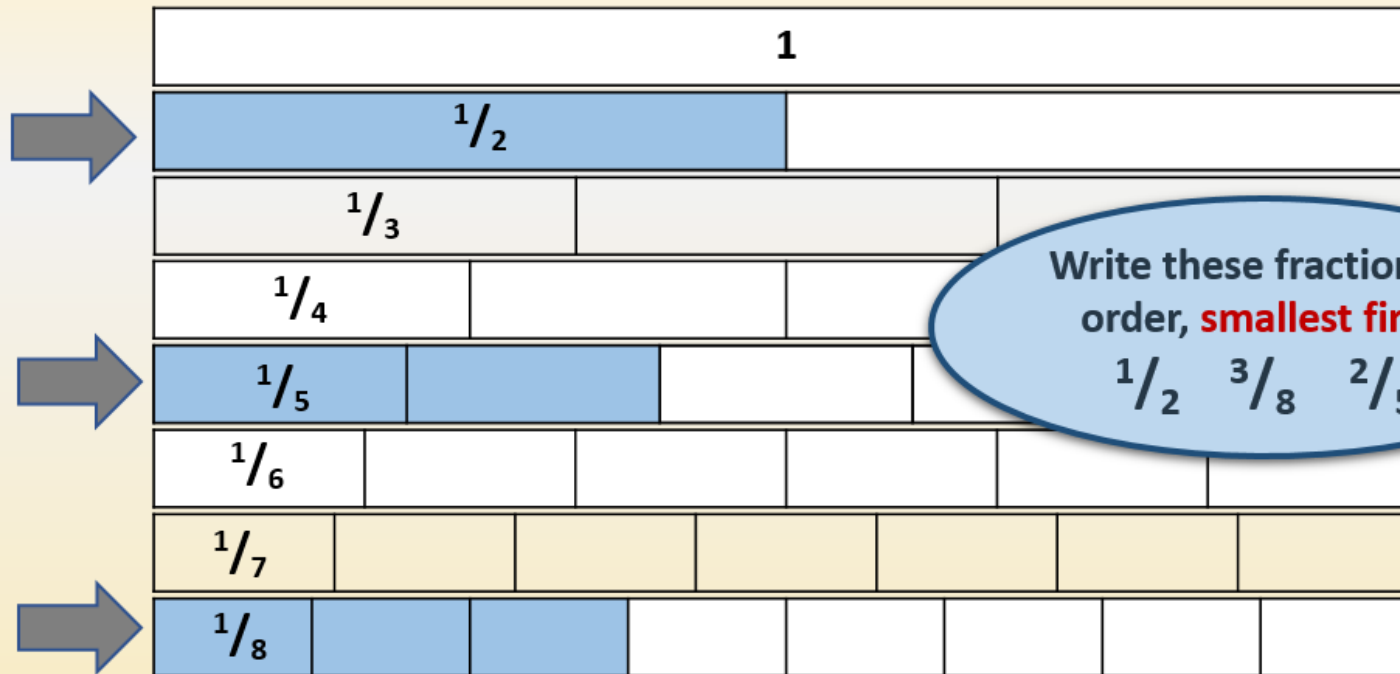
1							
$\frac{1}{2}$							
$\frac{1}{3}$							
$\frac{1}{4}$							
$\frac{1}{5}$							
$\frac{1}{6}$							
$\frac{1}{7}$							
$\frac{1}{8}$							

Have a go at writing these fractions in order, smallest first:

$$\frac{1}{2} \quad \frac{3}{8} \quad \frac{2}{5}$$

Learning Reminders

Compare and order fractions.



Write these fractions in order, **smallest first**:

$$\frac{1}{2} \quad \frac{3}{8} \quad \frac{2}{5}$$

Remember, that the fraction with the smallest numerator and denominator could be the largest in size!

$$\frac{3}{8} < \frac{2}{5} < \frac{1}{2}$$

Practice Sheet for All

Comparing fractions

1. Write each set of three fractions in order, smallest to largest. Use the fraction wall to help you.

$$\frac{1}{2} \quad \frac{2}{3} \quad \frac{1}{4}$$

$$\frac{1}{3} \quad \frac{1}{4} \quad \frac{1}{6}$$

$$\frac{1}{3} \quad \frac{2}{3} \quad \frac{1}{8}$$

$$\frac{1}{7} \quad \frac{1}{8} \quad \frac{1}{5}$$

$$\frac{1}{8} \quad \frac{1}{2} \quad \frac{2}{5}$$

$$\frac{1}{2} \quad \frac{2}{7} \quad \frac{3}{4}$$

2. Write $<$ or $>$ or $=$ between each pair of fractions.

$$\frac{1}{2} \quad \frac{1}{4}$$

$$\frac{1}{6} \quad \frac{1}{8}$$

$$\frac{2}{5} \quad \frac{2}{7}$$

$$\frac{1}{2} \quad \frac{4}{8}$$

Challenge

Write these groups of fractions in order, smallest first.

1. $\frac{1}{2} \quad \frac{1}{4} \quad \frac{1}{3}$

2. $\frac{2}{3} \quad \frac{1}{2} \quad \frac{2}{5}$

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

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

Practice Sheet Answers

Comparing fractions

1.

$$\frac{1}{4} \quad \frac{1}{2} \quad \frac{2}{3}$$

$$\frac{1}{6} \quad \frac{1}{4} \quad \frac{1}{3}$$

$$\frac{1}{8} \quad \frac{1}{3} \quad \frac{2}{3}$$

$$\frac{1}{8} \quad \frac{1}{7} \quad \frac{1}{5}$$

$$\frac{1}{8} \quad \frac{2}{5} \quad \frac{1}{2}$$

$$\frac{2}{7} \quad \frac{1}{2} \quad \frac{3}{4}$$

2.

$$\frac{1}{2} > \frac{1}{4}$$

$$\frac{1}{6} > \frac{1}{8}$$

$$\frac{2}{5} > \frac{2}{7}$$

$$\frac{1}{2} = \frac{4}{8}$$

Challenge

1. $\frac{1}{4} \quad \frac{1}{3} \quad \frac{1}{2}$

2. $\frac{2}{5} \quad \frac{1}{2} \quad \frac{2}{3}$

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

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

A Bit Tricky?

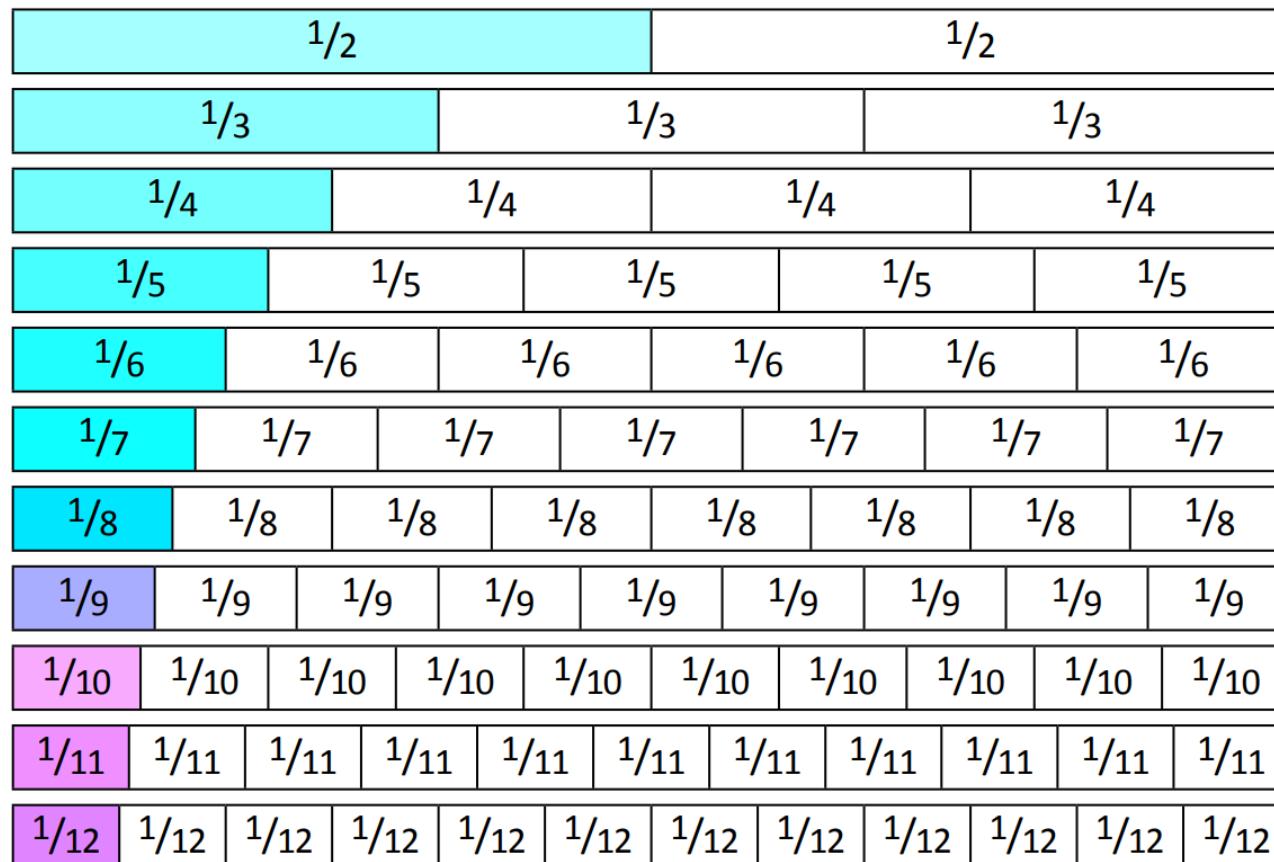
The half family

Follow-up questions

Focus of activity: Finding fractions which are equivalent to one half.

Colour in any fractions that reach exactly the same distance across the wall as $\frac{1}{2}$.

HINT: Not every row will have a fraction that is exactly equivalent to $\frac{1}{2}$.

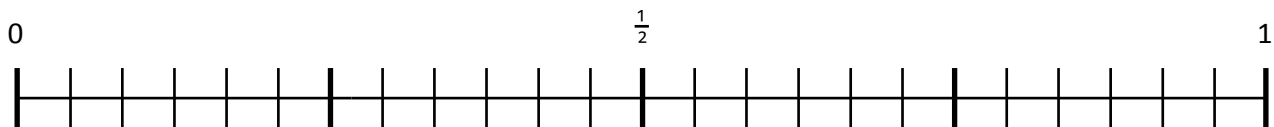


Investigation

Fraction bets!

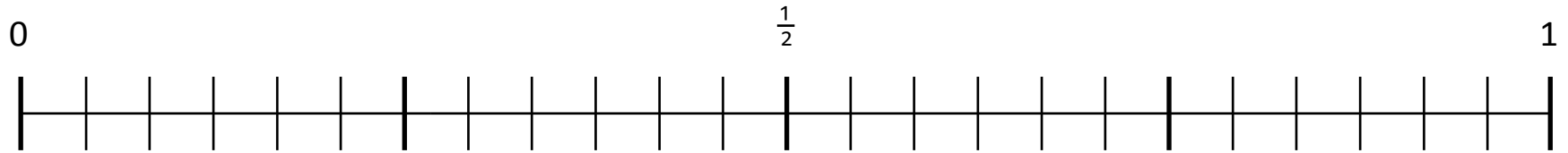
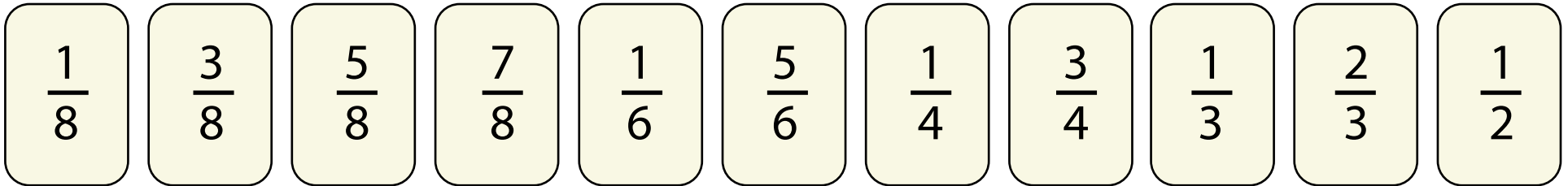
1. Spread out the fraction cards. We will be placing all these fractions along a line. Before we do that, place your bet on which two will be closest together.
2. Talk about which two fractions are closest together. Which two fractions are nearly the same amount?
3. Write your fraction bet down.
4. Use the line. Mark the different fractions on it. Make sure you mark each one in the correct place.
5. Continue until it is clear which fractions are really close to each other on the line.
6. Whose bet was correct?

<input type="radio"/>	
<input type="radio"/>	
<input type="radio"/>	I bet that $\frac{3}{4}$ and $\frac{5}{6}$ are closest
<input type="radio"/>	together
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Investigation

Fraction bets!



Investigation

Fraction bets!

