

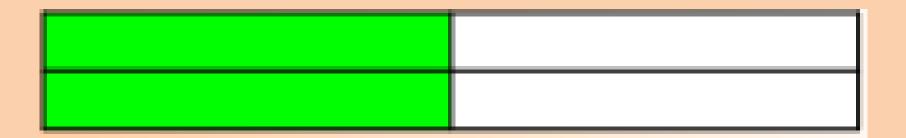
Re-cap

What is a fraction?

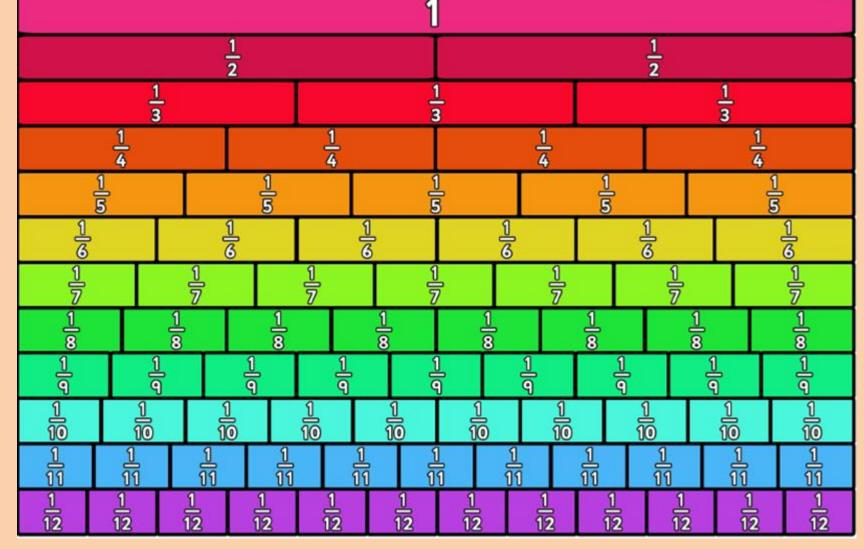
What does the word equivalent mean?

Some fractions are written with different numerators and denominators but they represent the same amount of a whole.

How would we write this fraction? What else do you notice?



How can this help you?



+ -× ÷

Lets look at these together:



Year 4 Maths LO: To recognise equivalent fractions X This model represents $\frac{1}{2}$ of the Share whole journey. There are 2 parts in the whole and I is shaded. a) Each part is cut into 2 equal parts. Lee

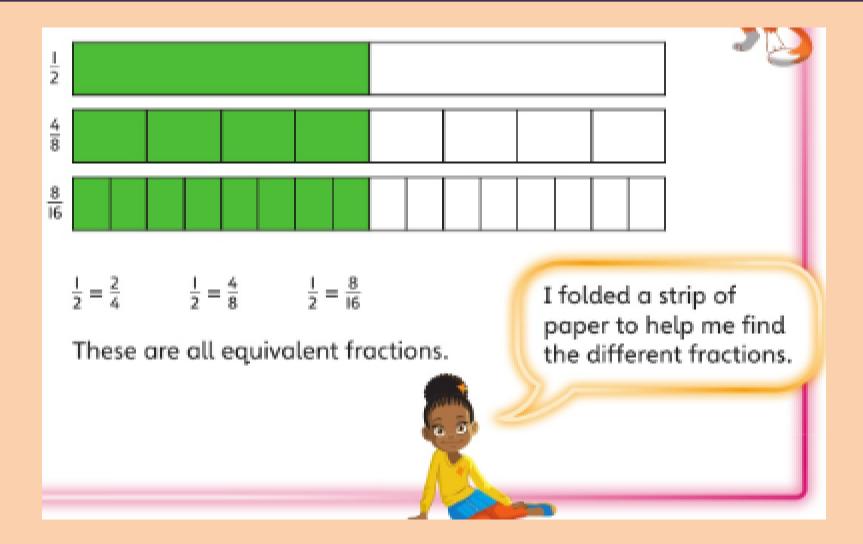
Look at the fractions $\frac{1}{2}$ and $\frac{2}{4}$.

They have different numerators and denominators, but show the same distance.

Both Lee and Mr Lopez are correct.

Look at the lines drawn on the track. Write 2 or more fractions that are equal to $\frac{1}{2}$.

2 equal parts. Lee has run $\frac{2}{4}$ of the journey. $\frac{1}{2} = \frac{2}{4}$ so these are equivalent fractions.



<u>Success Criteria</u>:

Identify the fraction of the shape that is shaded

X

- Match up the fractions that are the same size
- Record the equivalent fractions

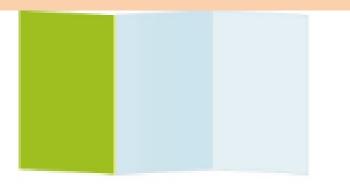
Fluency

Lexi folds a paper strip into 3 equal parts.

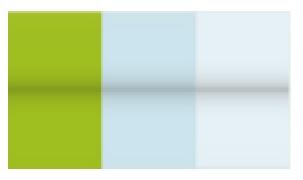
She colours I of the parts.

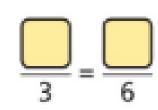
She folds the strip in half, across the length, then unfolds it.

- a) What fraction of the strip is coloured?
- b) Write an equivalent fraction for this.



X



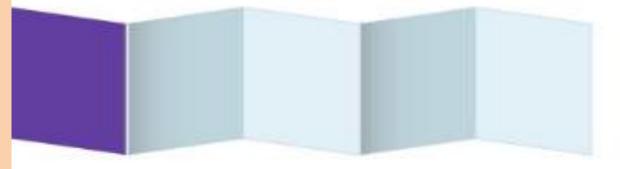


Fluency

Jamilla has a different paper strip.

She folds the strip into 5 equal parts.

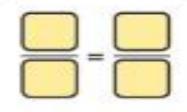
She colours I part.



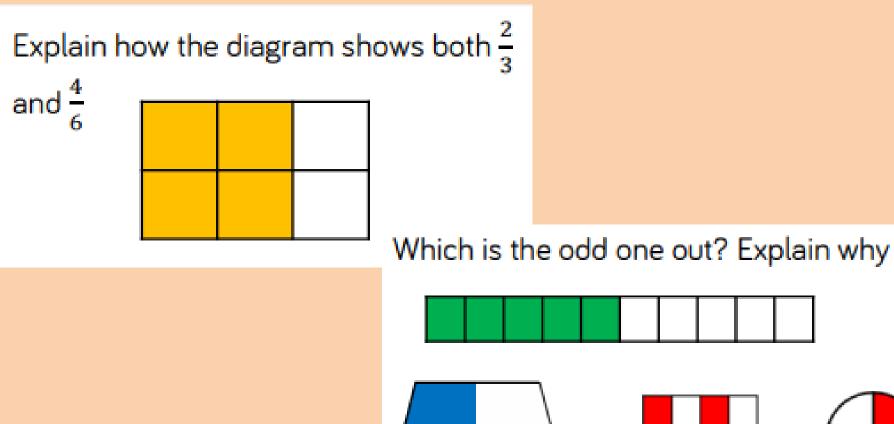
X

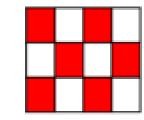
She folds the strip in half, across the length.

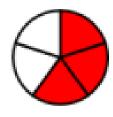
- a) What fraction of the strip is coloured?
- b) Write an equivalent fraction for this.



Reasoning







Problem Solving



Teddy makes this fraction:





Mo says he can make an equivalent fraction with a denominator of 9

Dora disagrees. She says it can't have a denominator of 9 because the denominator would need to be double 3

Who is correct? Who is incorrect? Explain why.

Answers - Fluency

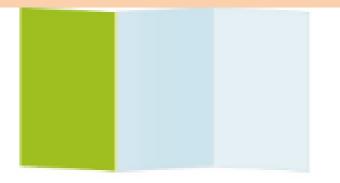
Lexi folds a paper strip into 3 equal parts.

She colours I of the parts.

She folds the strip in half, across the length, then unfolds it.

- a) What fraction of the strip is coloured? $\frac{2}{6}$
- b) Write an equivalent fraction for this.

$$\frac{1}{3} = \frac{2}{6}$$



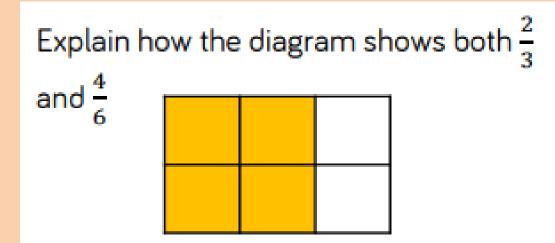
X



Year 4 Maths **LO: To recognise equivalent fractions** X Fluency Jamilla has a different paper strip. She folds the strip into 5 equal parts. She colours I part. 2 10 She folds the strip in half, across the length. a) What fraction of the strip is coloured? b) Write an equivalent fraction for this.

+ -×÷

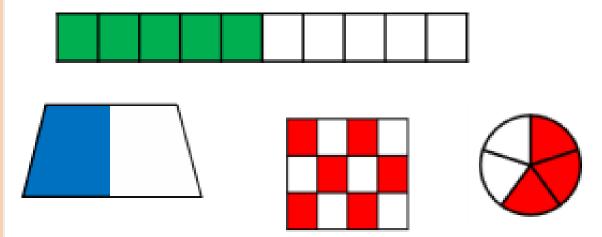
Reasoning



The diagram is divided in to six equal parts and four out of the six are yellow. You can also see three **columns** and two columns are yellow.

Reasoning

Which is the odd one out? Explain why

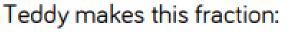




This is the odd one out because the other fractions are all equivalent to $\frac{1}{2}$

Problem Solving







Mo says he can make an equivalent fraction with a denominator of 9 Mo is correct. He could make three ninths which is equivalent to one third.



Dora disagrees. She says it can't have a denominator of 9 because the denominator would need to be double 3

Who is correct? Who is incorrect? Explain why. Dora is incorrect. She has a misconception that you can only double to find equivalent fractions.