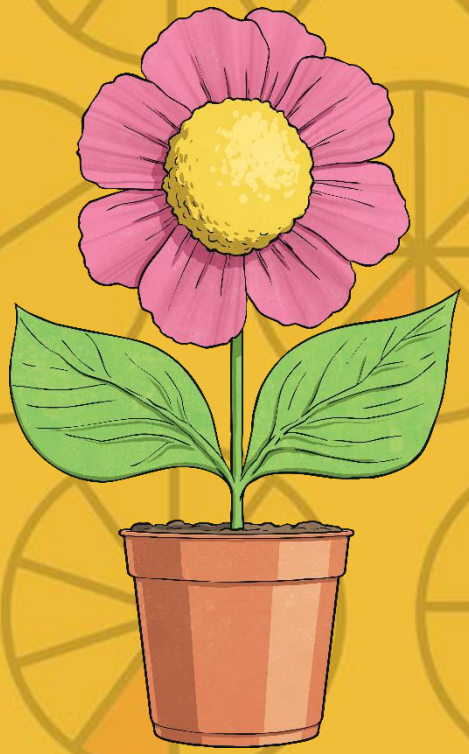
Maths

Fractions

Fraction Flowers



Aim

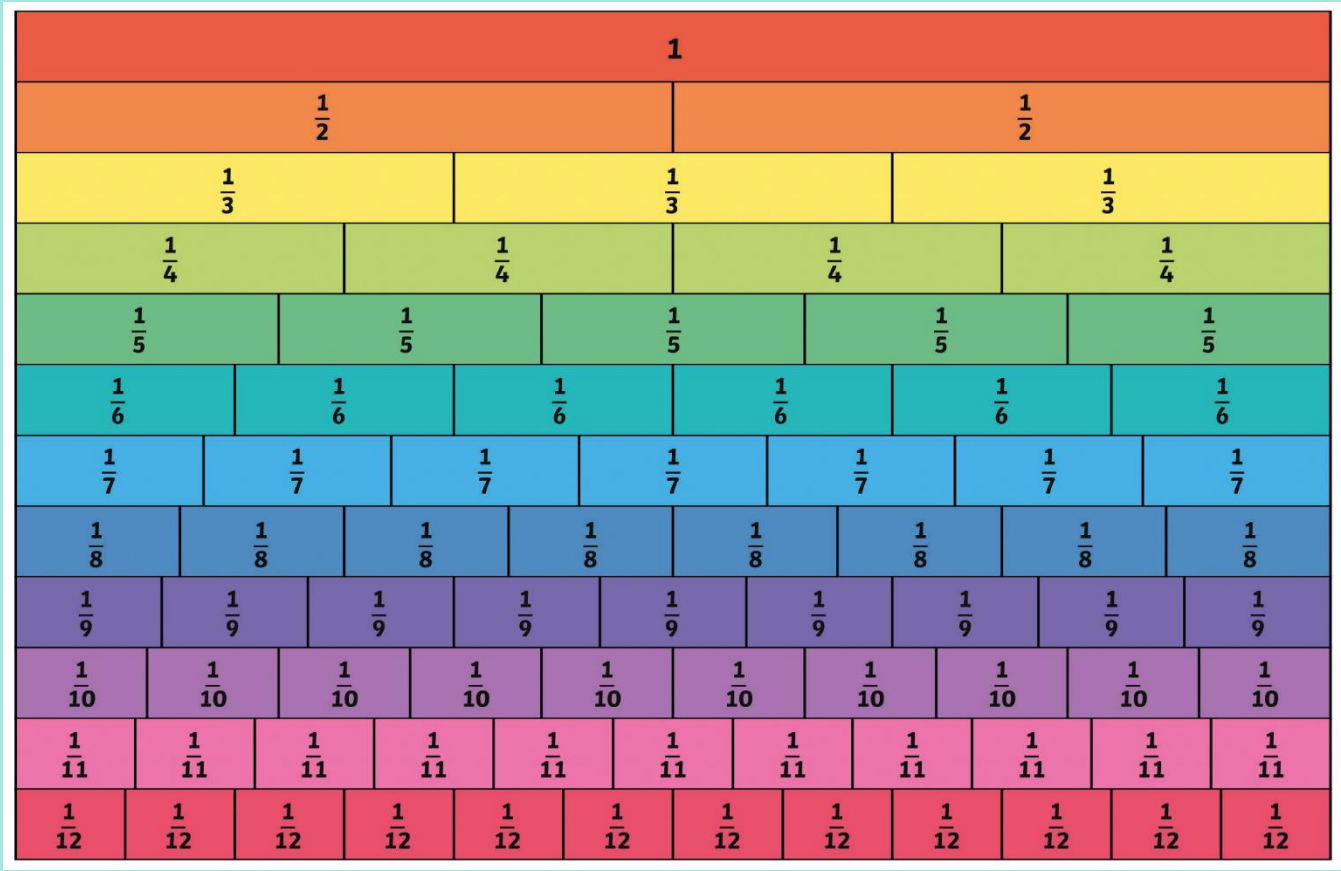
- I can use multiplication or division to find equivalent fractions.

Success Criteria

- I can use multiplication to find equivalent fractions.
- I can use division to find equivalent fractions.
- I can find groups of fractions which are equivalent to each other.

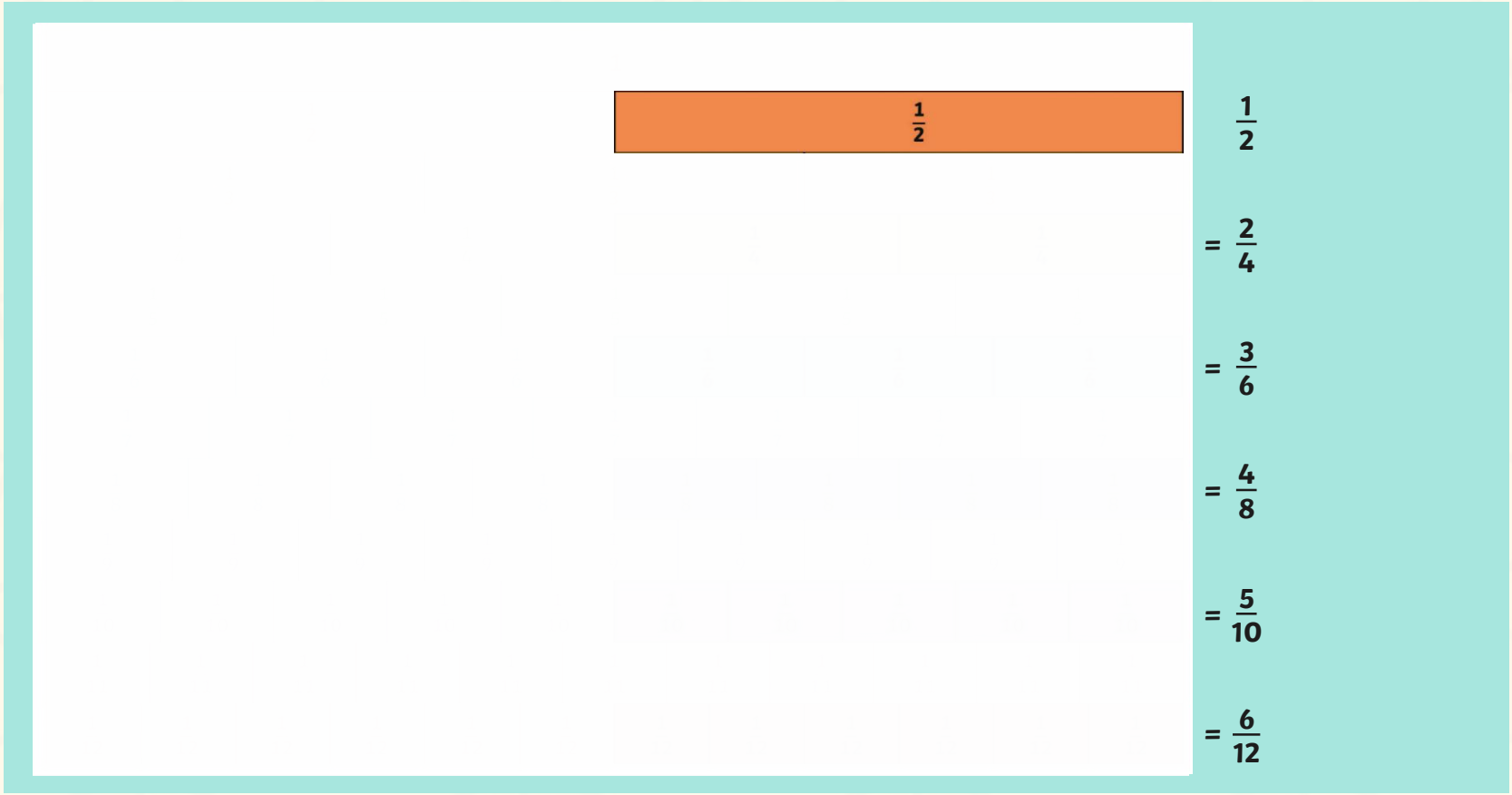
Fraction Dash

Use the fraction wall to find the equivalent fraction and move to that sign.



Fraction Wall

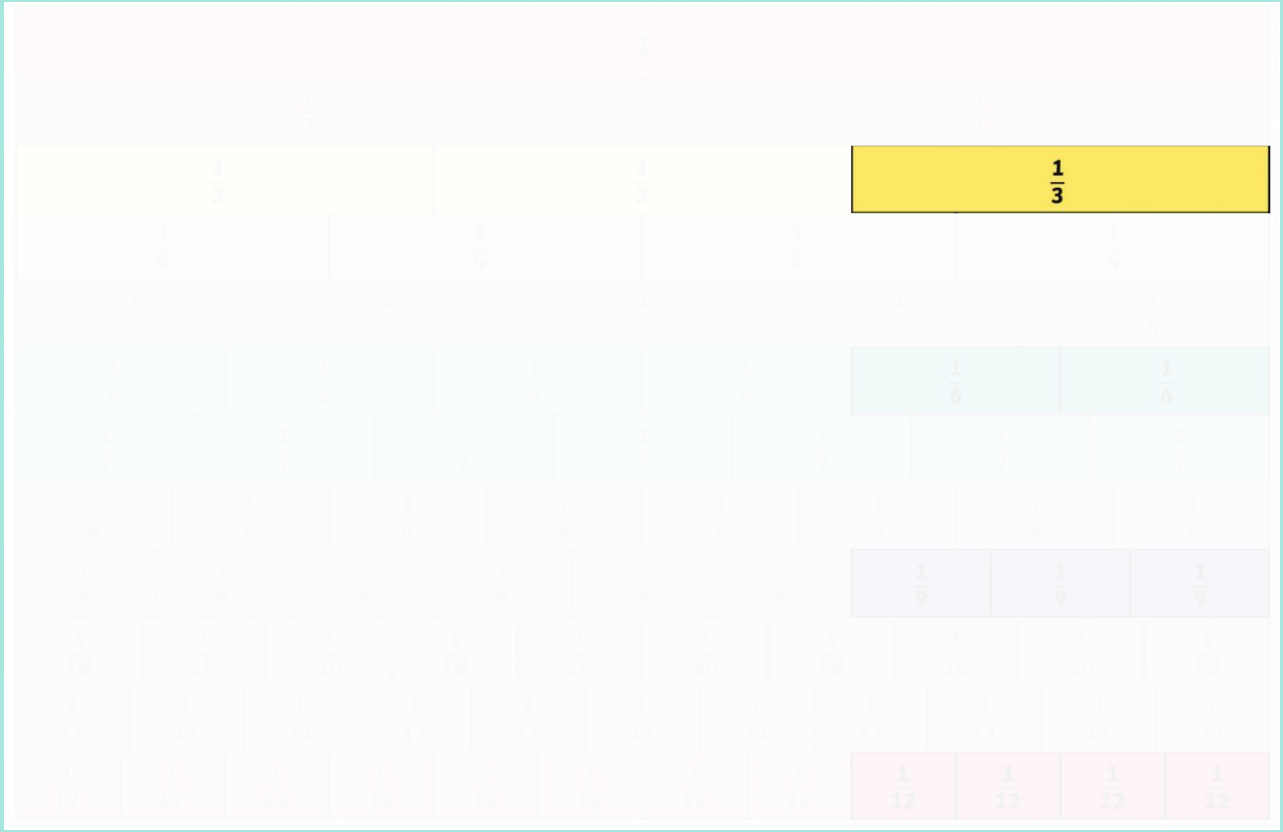
How many fractions can you find that are equivalent to $\frac{1}{2}$?



What do you notice about the fractions that are equivalent to $\frac{1}{2}$?

Fraction Wall

How many fractions can you find that are equivalent to $\frac{1}{3}$?



What do you notice about the fractions that are equivalent to $\frac{1}{3}$?

Fraction Wall

What happens to the numerators and denominators between each equivalent fraction?

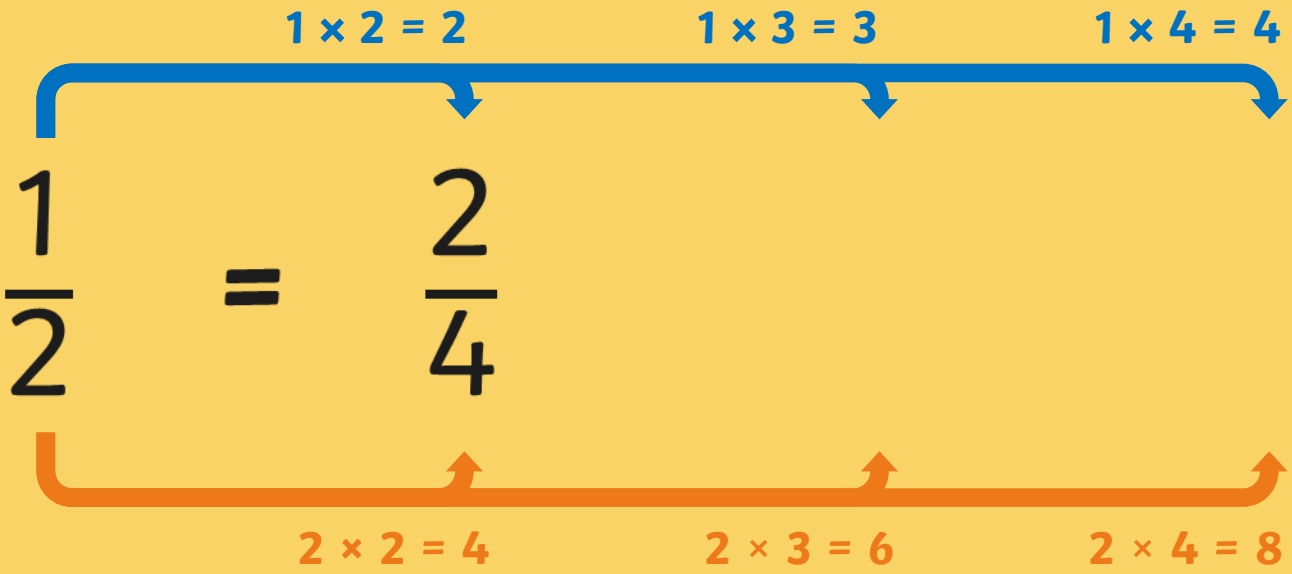
$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10}$$

$$\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12} = \frac{5}{15}$$

Can you find a rule to link the equivalent fractions?

Fraction Families

If we want to find whole families of equivalent fractions that go beyond a fraction wall, we need to find a rule.



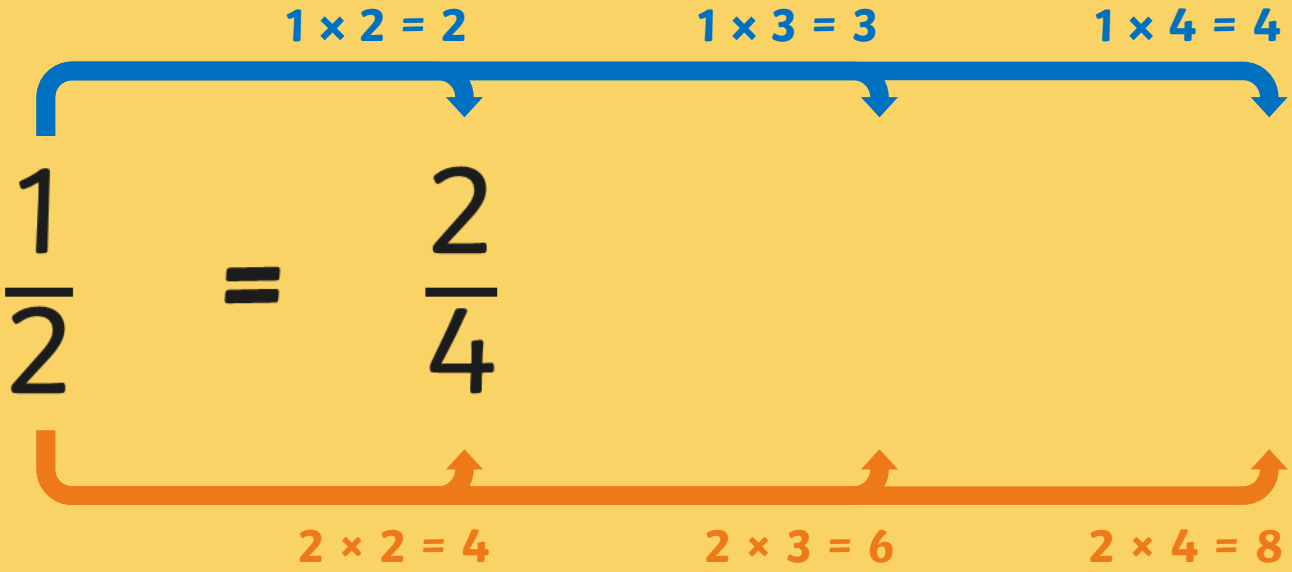
What happens between $\frac{1}{2}$ and $\frac{3}{6}$?

What happens between $\frac{1}{2}$ and $\frac{4}{8}$?

What happens to the numerator and denominator each time?

Fraction Families

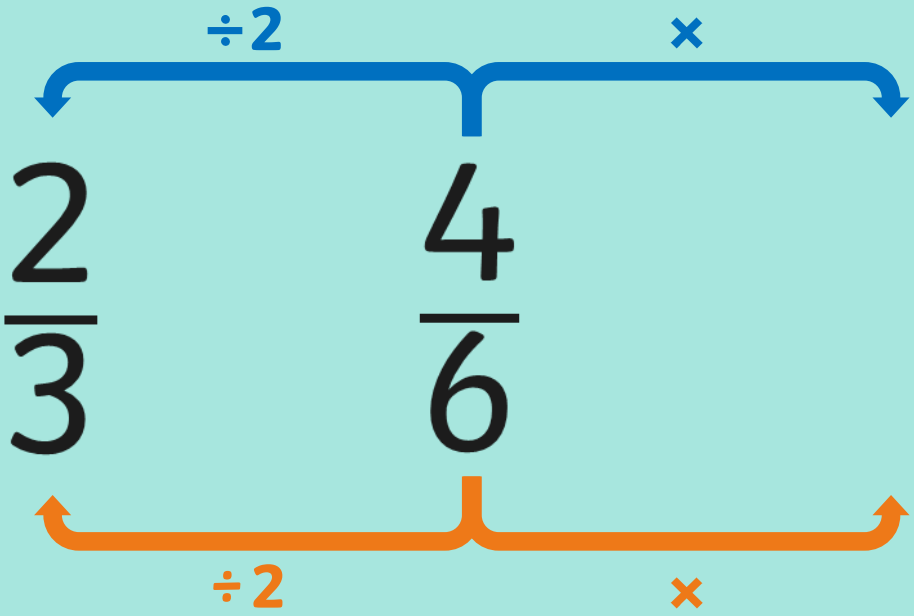
The numerator and denominator are multiplied by the same amount each time to find an equivalent fraction.



Now we can find whole families of equivalent fractions, can you find fractions that are equivalent to $\frac{1}{4}$?

Fraction Families

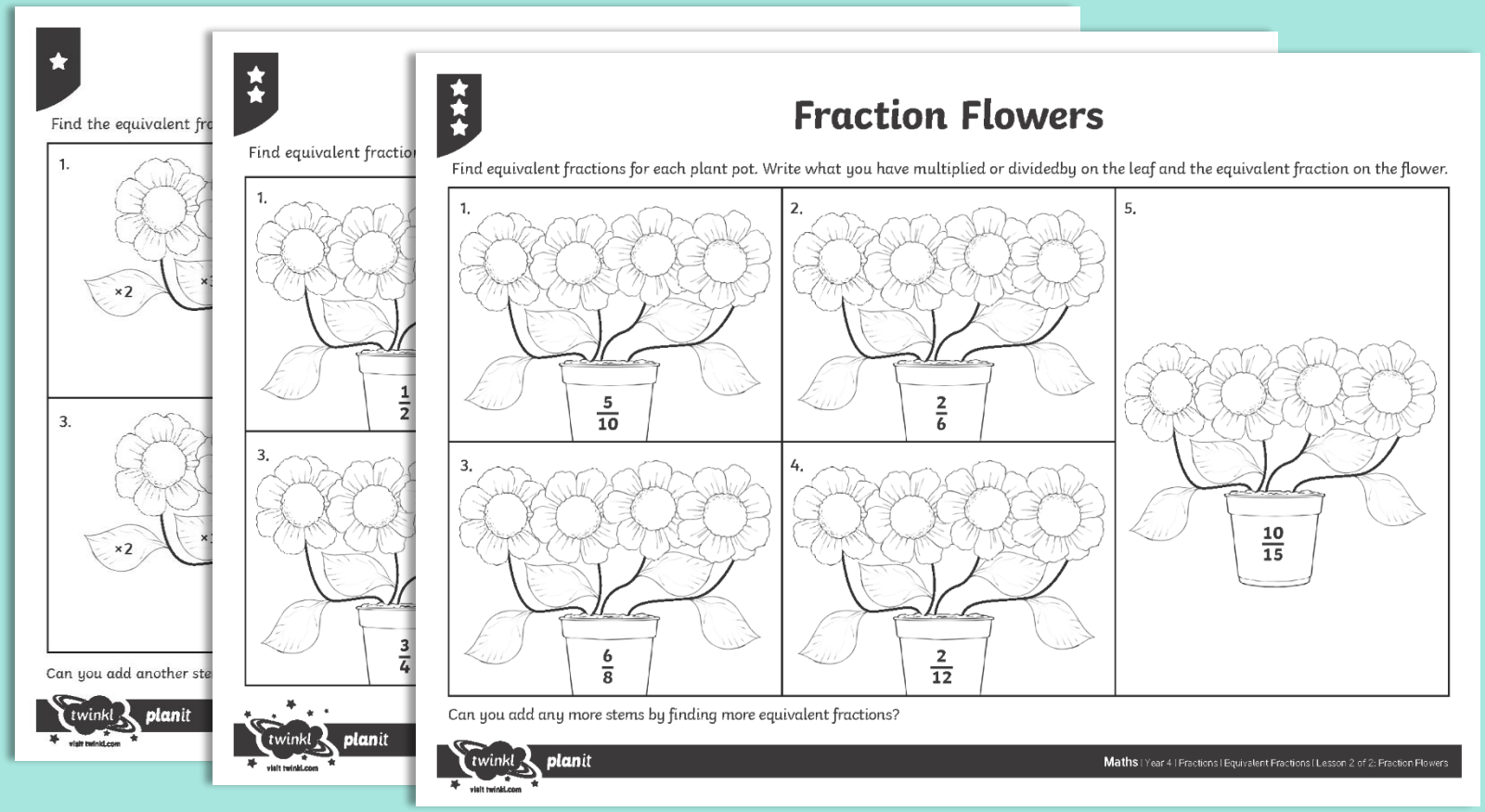
What fractions can you find that are equivalent to $\frac{4}{6}$?



We can also find equivalent fractions by dividing.

What could you divide 4 and 6 by to find an equivalent fraction?

Fraction Flowers



Fraction Flowers

Find equivalent fractions for each plant pot. Write what you have multiplied or dividedby on the leaf and the equivalent fraction on the flower.

1. $\frac{5}{10}$

2. $\frac{2}{6}$

3. $\frac{6}{8}$

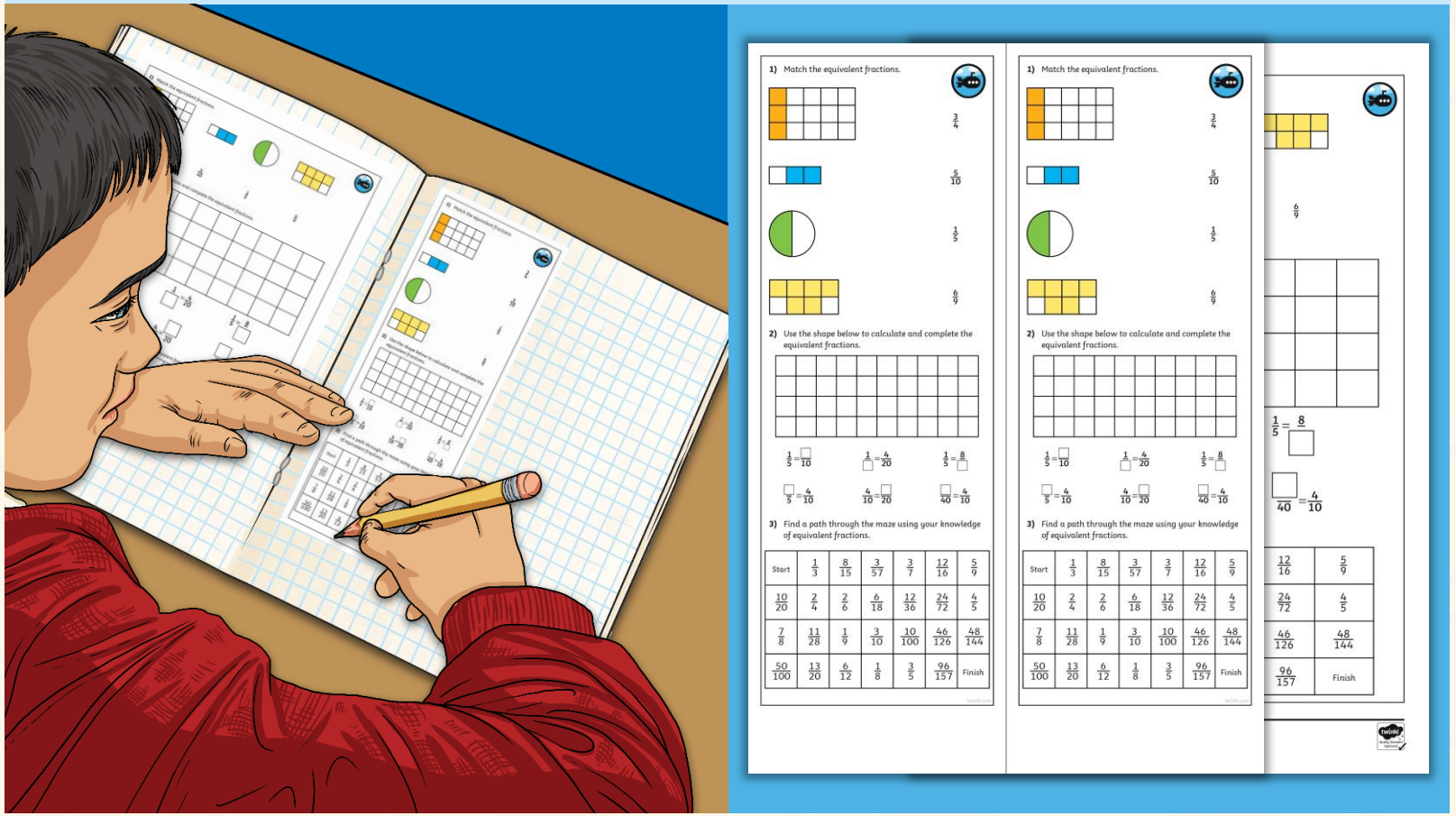
4. $\frac{2}{12}$

5. $\frac{10}{15}$

Can you add any more stems by finding more equivalent fractions?

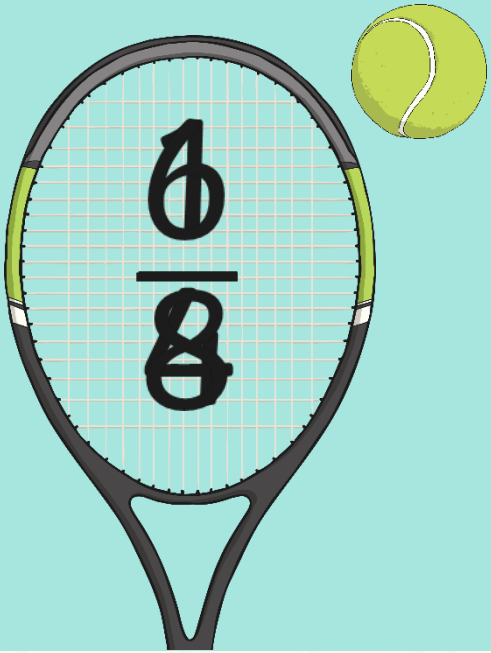
Diving into Mastery

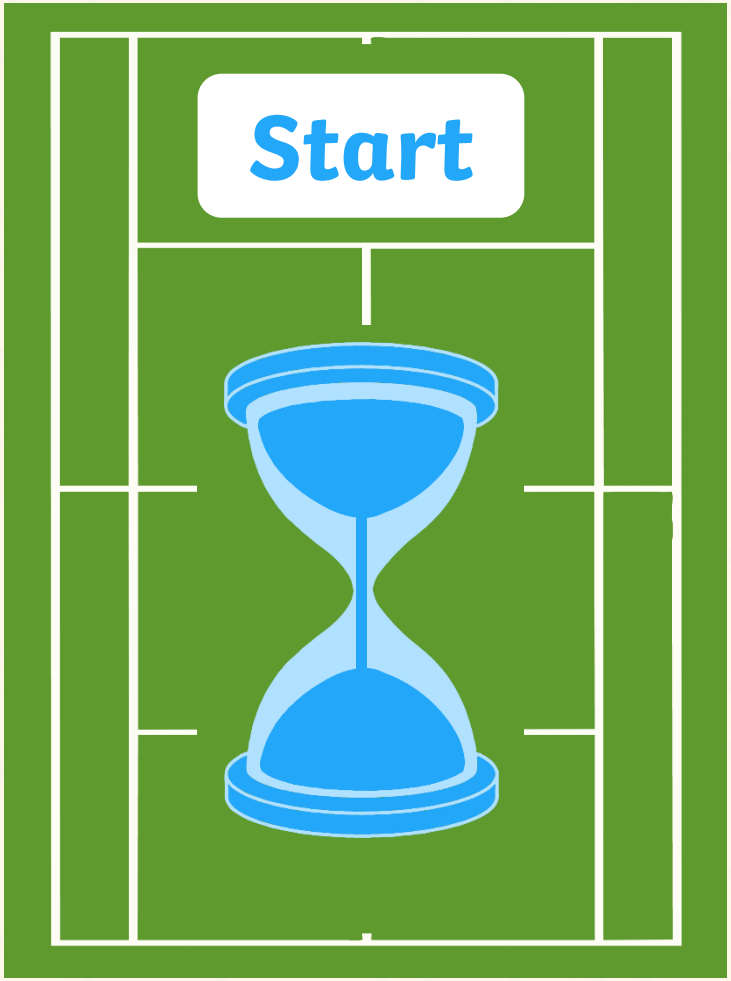
Dive in by completing your own activity!



Equivalents Tennis

To warm up for the match, you have one minute to find as many fractions as you can that are equivalent to





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