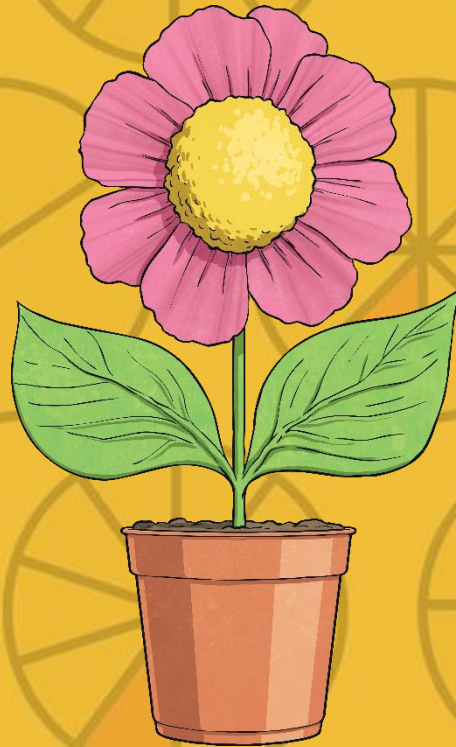




Maths

Fractions

Fraction Flowers



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Aim

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

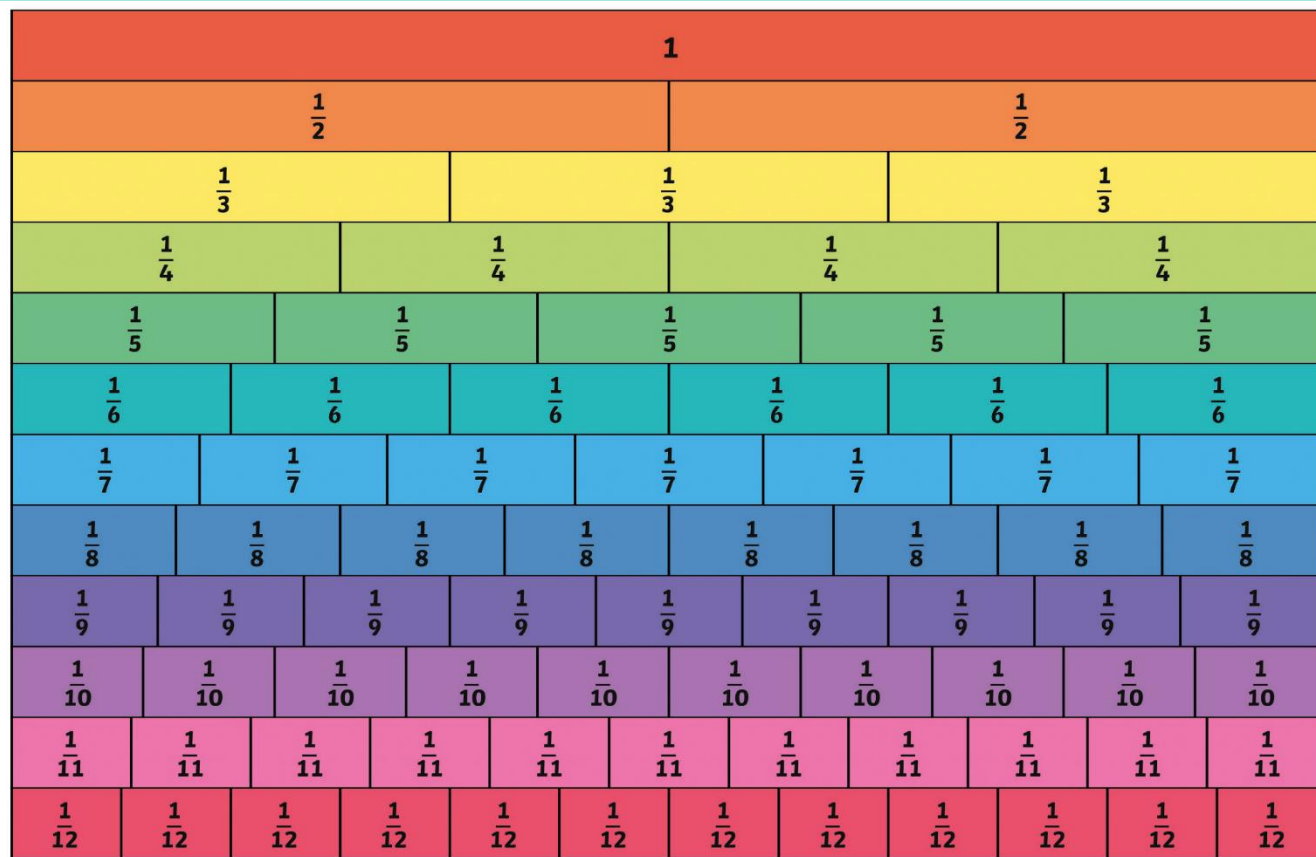
Success Criteria

- 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



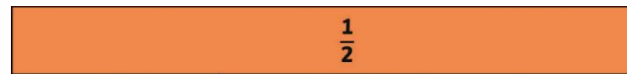
Use the fraction wall to find the equivalent fraction and move to that sign.



Fraction Wall



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



$$\frac{1}{2}$$

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

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

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

$$= \frac{5}{10}$$

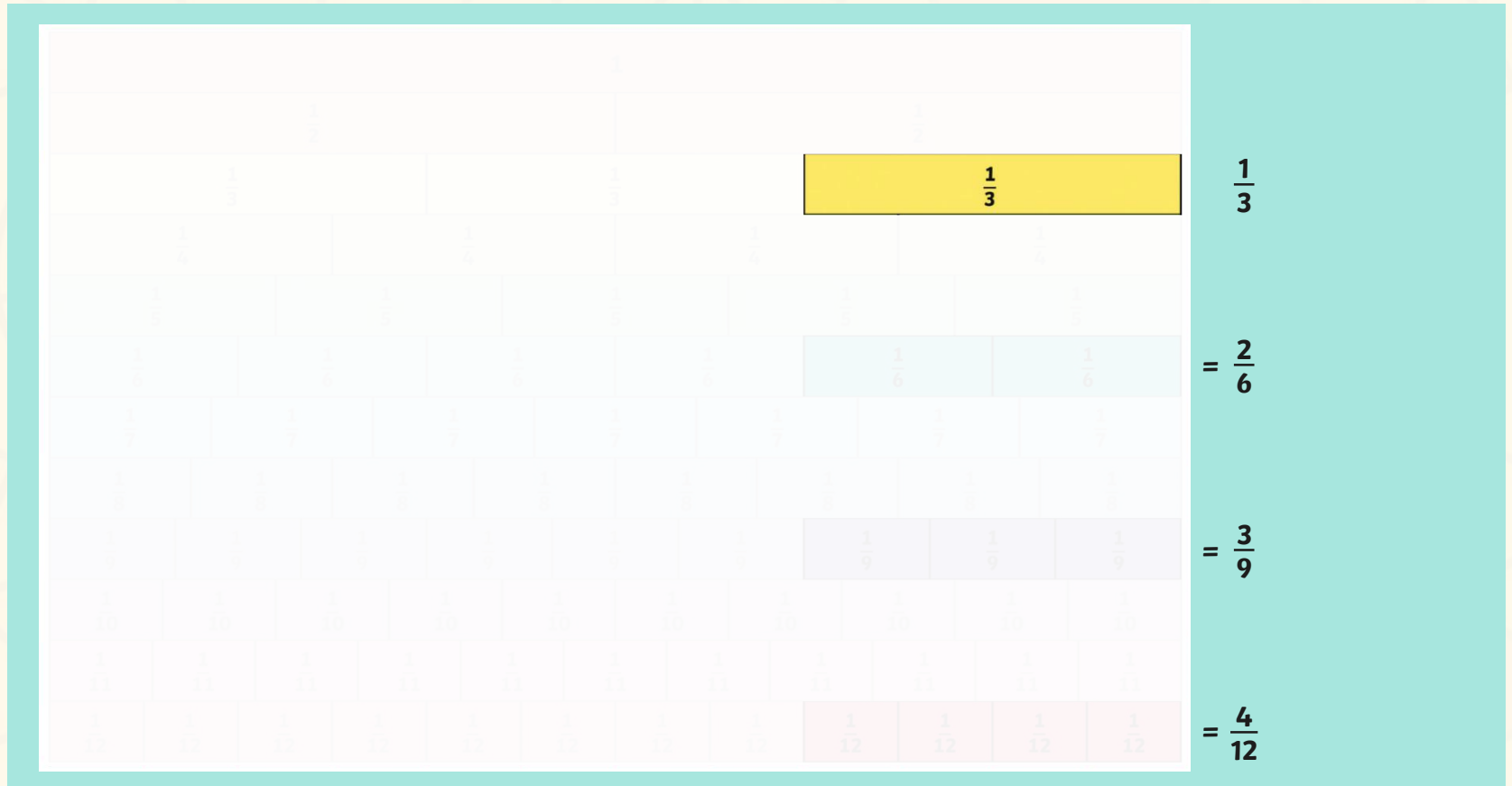
$$= \frac{6}{12}$$

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?

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

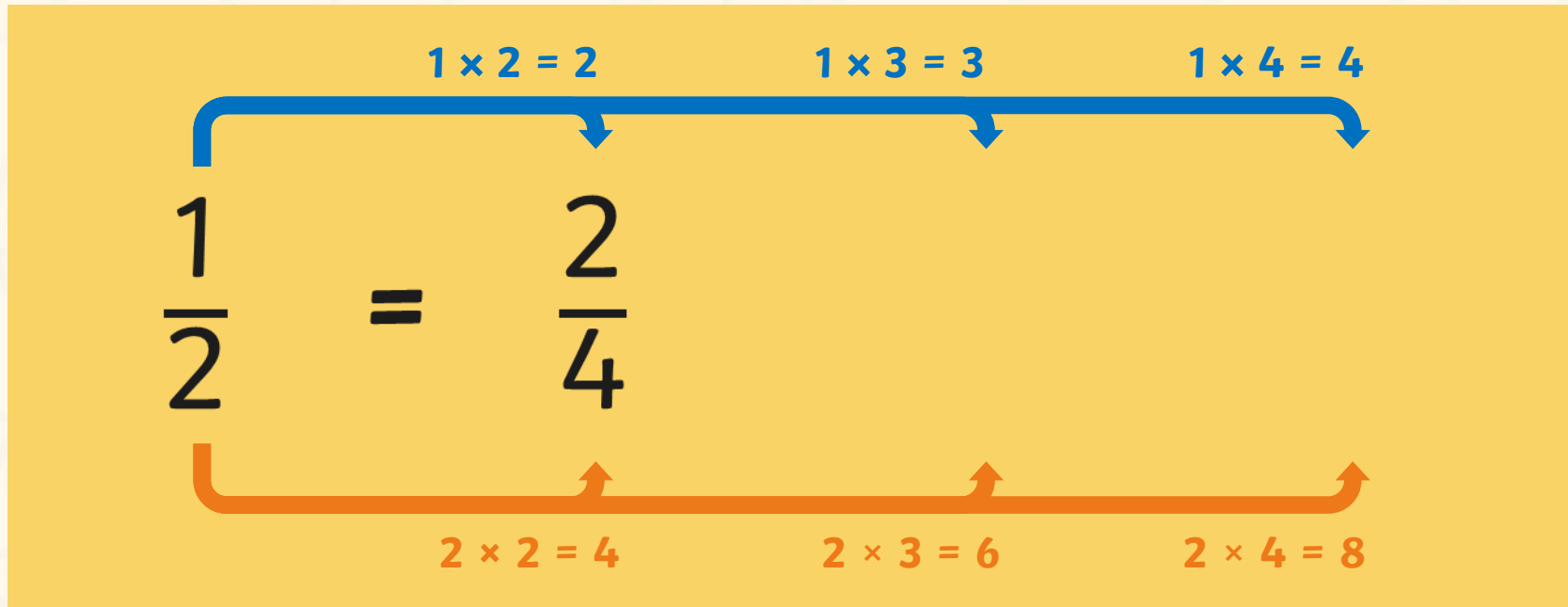
$$\frac{1}{3} = \frac{2}{6} = \frac{3}{9} = \frac{4}{12} = \frac{5}{15}$$

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 $\frac{3}{6}$?

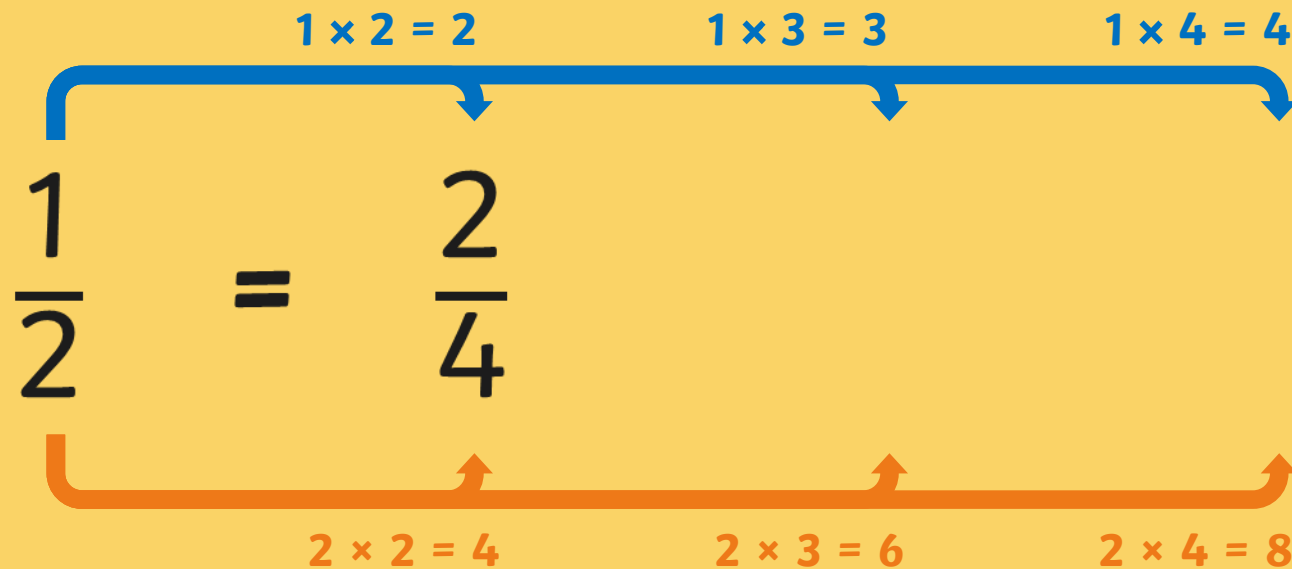
What happens between $\frac{1}{2}$ and $\frac{4}{8}$?

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.

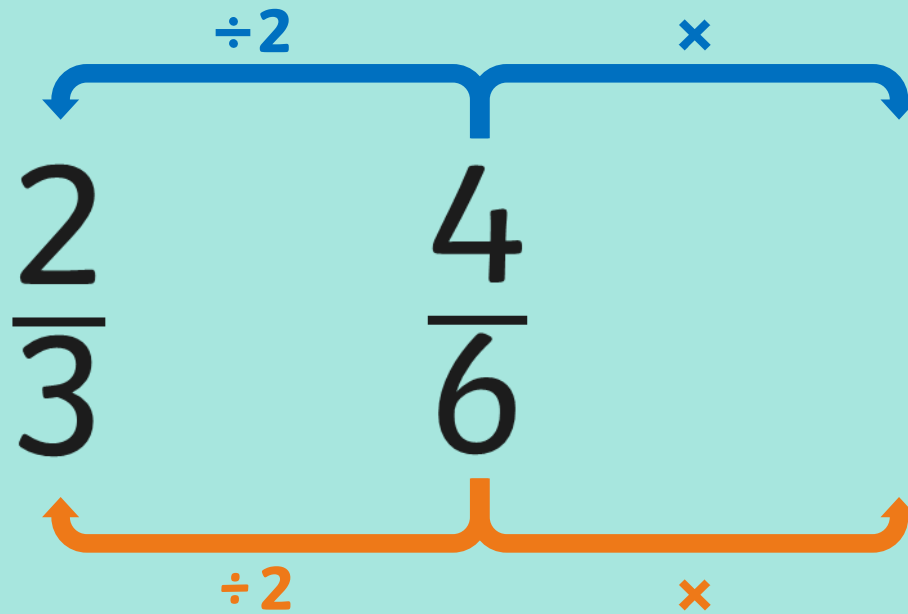


Now we can find whole families of equivalent fractions, can you find fractions that are equivalent to $\frac{1}{4}$?

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



★

Find the equivalent fraction

1.

3.

Can you add another stem?

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★★

Find equivalent fractions

1.

3.

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Fraction Flowers

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

<p>1.</p>	<p>2.</p>
<p>3.</p>	<p>4.</p>

5.

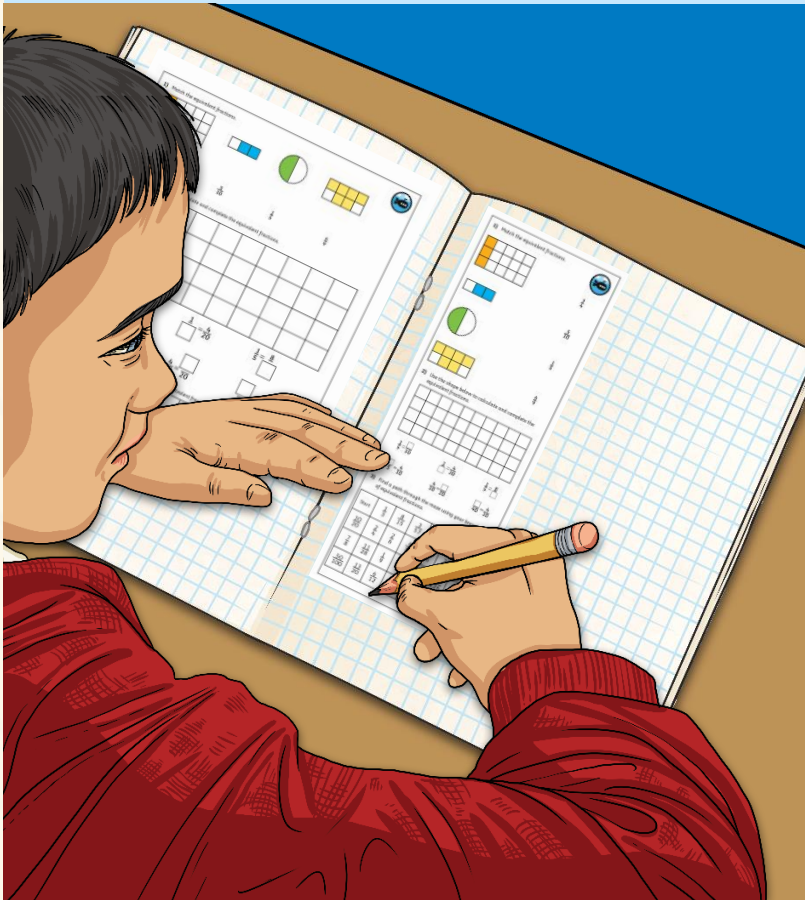
Can you add any more stems by finding more equivalent fractions?

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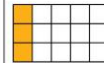
Maths | Year 4 | Fractions | Equivalent Fractions | Lesson 2 of 2: Fraction Flowers

Diving into Mastery

Dive in by completing your own activity!



1) Match the equivalent fractions.



$\frac{3}{4}$



$\frac{5}{10}$

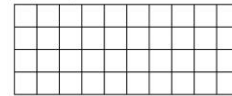


$\frac{1}{5}$



$\frac{6}{9}$

2) Use the shape below to calculate and complete the equivalent fractions.



$\frac{1}{5} = \frac{\square}{10}$

$\frac{1}{5} = \frac{4}{20}$

$\frac{1}{5} = \frac{8}{\square}$

$\frac{1}{5} = \frac{4}{10}$

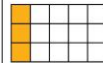
$\frac{4}{10} = \frac{\square}{20}$

$\frac{\square}{40} = \frac{4}{10}$

3) Find a path through the maze using your knowledge of equivalent fractions.

Start	$\frac{1}{3}$	$\frac{8}{15}$	$\frac{3}{57}$	$\frac{3}{7}$	$\frac{12}{16}$	$\frac{5}{9}$
$\frac{10}{20}$	$\frac{2}{4}$	$\frac{2}{6}$	$\frac{6}{18}$	$\frac{12}{36}$	$\frac{24}{72}$	$\frac{4}{5}$
$\frac{7}{8}$	$\frac{11}{28}$	$\frac{1}{9}$	$\frac{3}{10}$	$\frac{10}{100}$	$\frac{46}{126}$	$\frac{48}{144}$
$\frac{50}{100}$	$\frac{13}{20}$	$\frac{6}{12}$	$\frac{1}{8}$	$\frac{3}{5}$	$\frac{96}{157}$	Finish

1) Match the equivalent fractions.



$\frac{3}{4}$



$\frac{5}{10}$

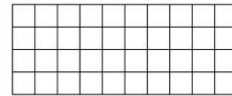


$\frac{1}{5}$



$\frac{6}{9}$

2) Use the shape below to calculate and complete the equivalent fractions.



$\frac{1}{5} = \frac{\square}{10}$

$\frac{1}{5} = \frac{4}{20}$

$\frac{1}{5} = \frac{8}{\square}$

$\frac{1}{5} = \frac{4}{10}$

$\frac{4}{10} = \frac{\square}{20}$

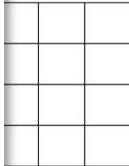
$\frac{\square}{40} = \frac{4}{10}$

3) Find a path through the maze using your knowledge of equivalent fractions.

Start	$\frac{1}{3}$	$\frac{8}{15}$	$\frac{3}{57}$	$\frac{3}{7}$	$\frac{12}{16}$	$\frac{5}{9}$
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$\frac{7}{8}$	$\frac{11}{28}$	$\frac{1}{9}$	$\frac{3}{10}$	$\frac{10}{100}$	$\frac{46}{126}$	$\frac{48}{144}$
$\frac{50}{100}$	$\frac{13}{20}$	$\frac{6}{12}$	$\frac{1}{8}$	$\frac{3}{5}$	$\frac{96}{157}$	Finish



$\frac{6}{9}$



$\frac{1}{5} = \frac{8}{\square}$

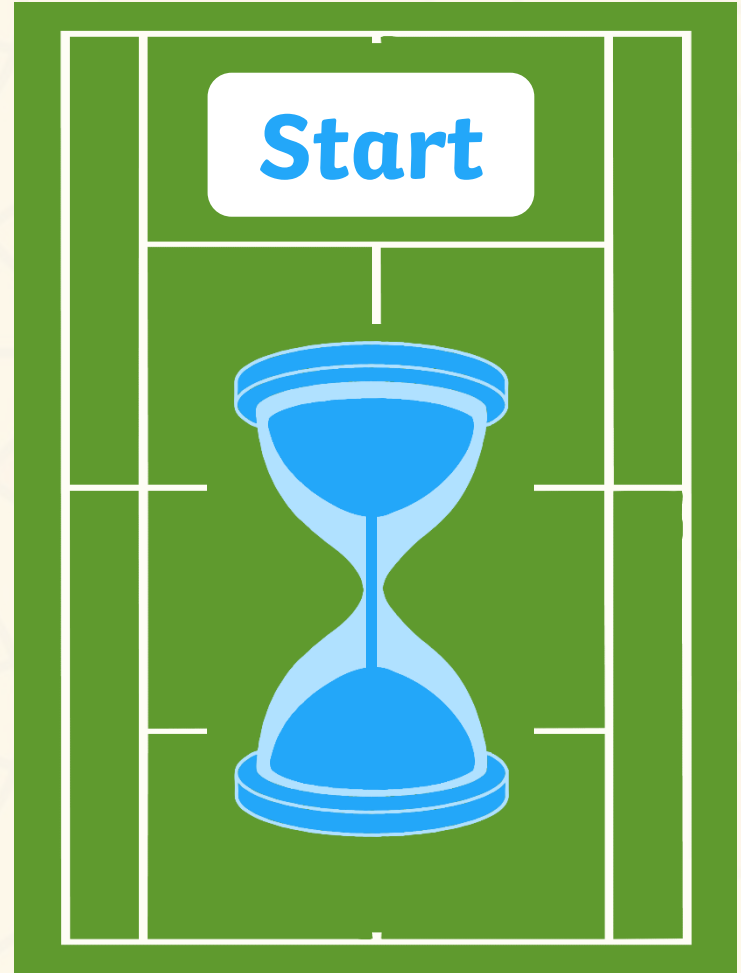
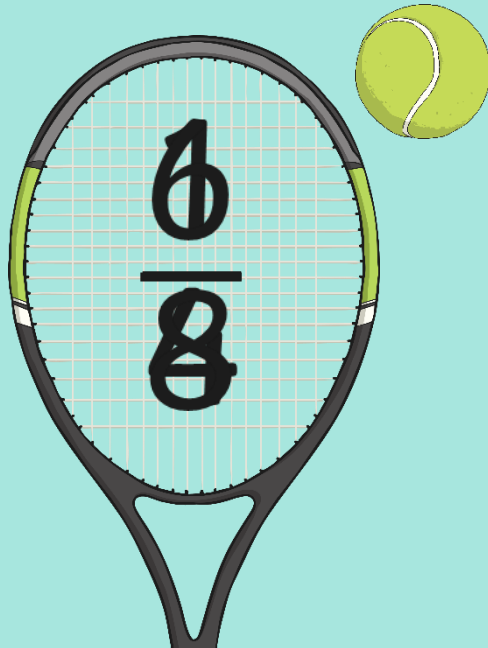
$\frac{\square}{40} = \frac{4}{10}$

$\frac{12}{16}$	$\frac{5}{9}$
$\frac{24}{72}$	$\frac{4}{5}$
$\frac{46}{126}$	$\frac{48}{144}$
$\frac{96}{157}$	Finish

Equivalents Tennis



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



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.

