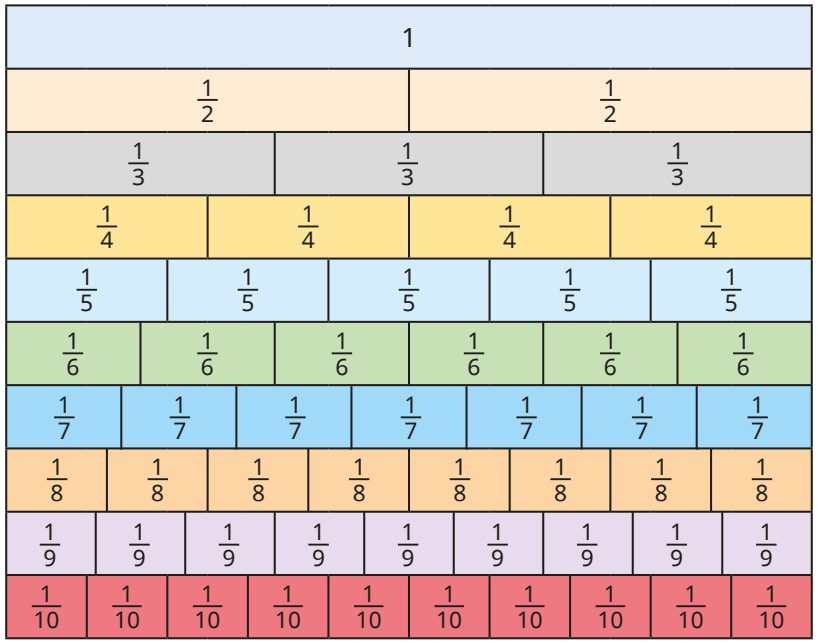
Recognise equivalent fractions

1 Here is a fraction wall.



a) Write two fractions that are equivalent to $\frac{1}{2}$

Compare answers with a partner. Are your answers the same?

b) Write two fractions that are equivalent to $\frac{4}{6}$

2 Write the missing numbers.

Are the fractions equivalent?

How do you know?

$\frac{1}{3} \xrightarrow{\times \square} \frac{4}{12}$

3 **a)** Fill in the missing numbers.

$\frac{1}{5} \xrightarrow{\times \square} \frac{5}{25}$ $\frac{3}{4} \xrightarrow{\times \square} \frac{12}{16}$ $\frac{4}{7} \xrightarrow{\times \square} \frac{8}{21}$

$\frac{2}{5} \xrightarrow{\div \square} \frac{4}{10}$ $\frac{3}{4} \xrightarrow{\div \square} \frac{9}{16}$ $\frac{1}{7} \xrightarrow{\div \square} \frac{3}{21}$

b) Which of the pairs of fractions are equivalent?

4 Write the missing numbers.

Are the fractions equivalent?

How do you know?

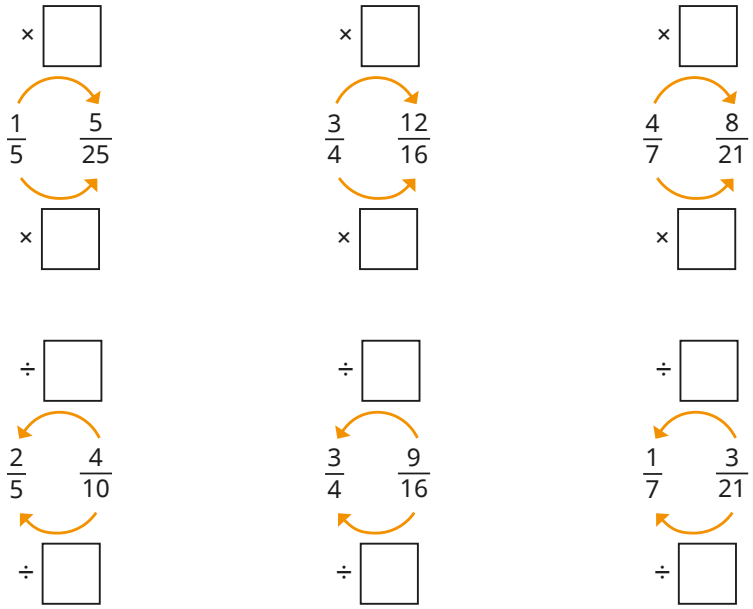
$\xrightarrow{\times \square} \frac{1}{6}$ $\frac{4}{24} \xrightarrow{\times \square}$

5 **a)** Write the missing numbers.

$\xrightarrow{\times \square} \frac{1}{10}$ $\xrightarrow{\times \square} \frac{5}{45}$ $\xrightarrow{\times \square} \frac{2}{10}$ $\xrightarrow{\times \square} \frac{10}{90}$

b) Which of the fractions in part a) are equivalent to $\frac{1}{9}$?

3 **a)** Fill in the missing numbers.



b) Which of the pairs of fractions are equivalent?

4 Write the missing numbers.

Are the fractions equivalent?

How do you know?

× □ ↷ 1/6 4/24 ↷ × □

5 **a)** Write the missing numbers.

× □ ↷ 1/10 × □ ↷ 5/45 × □ ↷ 2/10 × □ ↷ 10/90

b) Which of the fractions in part a) are equivalent to $\frac{1}{9}$?

6 **a)** Which of the fractions are equivalent to $\frac{1}{8}$?

$\frac{4}{32}$ $\frac{3}{10}$ $\frac{100}{800}$ $\frac{10}{18}$ $\frac{5}{40}$

b) Which of the fractions are equivalent to $\frac{5}{7}$?

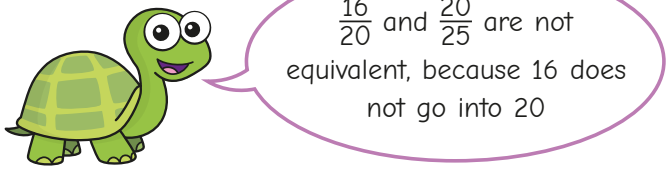
$\frac{14}{10}$ $\frac{6}{8}$ $\frac{10}{14}$ $\frac{50}{70}$ $\frac{60}{84}$

c) Which of the fractions are equivalent to $\frac{9}{12}$?

$\frac{18}{24}$ $\frac{12}{15}$ $\frac{81}{108}$ $\frac{3}{4}$ $\frac{36}{60}$

How did you decide which fractions were equivalent?

7



Explain why Tiny is incorrect.

8 Use the cards to write three fractions that are equivalent.

1	2	4	5	8	10	20

Is there more than one answer?

9 Use the clues to find the value of each letter.

- $\frac{A}{B} = \frac{C}{D} = \frac{E}{F}$
- A is $\frac{1}{4}$ of D.
- F is 5 less than A.
- D is a square number between 30 and 40
- C is a cube number less than 30