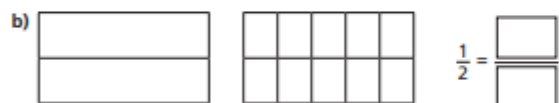


Equivalent fractions (2)



- 1 Shade the diagrams to help you complete the equivalent fractions.

The first one has been done for you.



- 2 Draw a diagram to show that $\frac{3}{4} = \frac{6}{8}$



- 3 Match the equivalent fractions.

$\frac{1}{4}$

$\frac{4}{10}$

$\frac{10}{15}$

$\frac{1}{7}$

$\frac{3}{21}$

$\frac{2}{3}$

$\frac{2}{5}$

$\frac{3}{12}$

- 4 Complete the equivalent fractions.

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

d) $\frac{3}{10} = \frac{9}{\square}$

g) $\frac{8}{12} = \frac{2}{\square}$

b) $\frac{4}{5} = \frac{\square}{10}$

e) $\frac{6}{8} = \frac{3}{\square}$

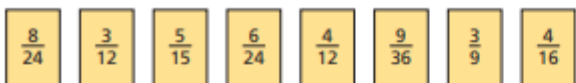
h) $\frac{2}{\square} = \frac{10}{25}$

c) $\frac{3}{10} = \frac{6}{\square}$

f) $\frac{8}{12} = \frac{\square}{3}$

i) $\frac{1}{\square} = \frac{4}{28}$

- 5 a) Write the fractions in the correct place on the sorting diagram.



	equivalent to $\frac{1}{3}$	equivalent to $\frac{1}{4}$
odd denominator		
even denominator		

- b) Are any of the boxes empty?

Why do you think this is?

Talk about your answer with a partner.



- 6 Find three ways to make the fractions equivalent.

a) $\frac{2}{\square} = \frac{4}{\square}$ $\frac{2}{\square} = \frac{4}{\square}$ $\frac{2}{\square} = \frac{4}{\square}$

b) $\frac{1}{\square} = \frac{4}{\square}$ $\frac{1}{\square} = \frac{4}{\square}$ $\frac{1}{\square} = \frac{4}{\square}$

c) $\frac{\square}{3} = \frac{\square}{9}$ $\frac{\square}{3} = \frac{\square}{9}$ $\frac{\square}{3} = \frac{\square}{9}$

- 7 Eva and Ron have a baguette each.

The baguettes are the same size.

Eva cuts her baguette into 8 equal pieces.



3 of my equal pieces are equal to 6 of Eva's.



How many equal pieces has Ron cut his baguette into?

Ron has cut his baguette into equal pieces.

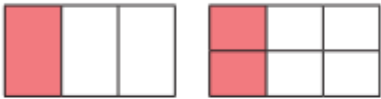
(Answers below)


Equivalent fractions (2)



1 Shade the diagrams to help you complete the equivalent fractions.

The first one has been done for you.

a)  $\frac{1}{3} = \frac{3}{6}$

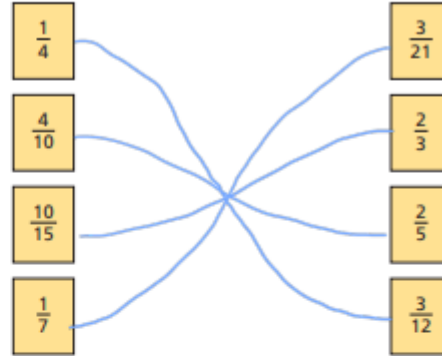
b)  $\frac{1}{2} = \frac{5}{10}$

d)  $\frac{1}{4} = \frac{3}{12}$

2 Draw a diagram to show that $\frac{3}{4} = \frac{6}{8}$



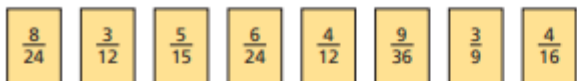

3 Match the equivalent fractions.



4 Complete the equivalent fractions.

a) $\frac{1}{5} = \frac{2}{10}$ d) $\frac{3}{10} = \frac{9}{30}$ g) $\frac{8}{12} = \frac{2}{3}$
 b) $\frac{4}{5} = \frac{8}{10}$ e) $\frac{6}{8} = \frac{3}{4}$ h) $\frac{2}{5} = \frac{10}{25}$
 c) $\frac{3}{10} = \frac{6}{20}$ f) $\frac{8}{12} = \frac{2}{3}$ i) $\frac{1}{7} = \frac{4}{28}$

- 5 a) Write the fractions in the correct place on the sorting diagram.



	equivalent to $\frac{1}{3}$	equivalent to $\frac{1}{4}$
odd denominator	$\frac{5}{15}$ $\frac{2}{6}$	
even denominator	$\frac{8}{24}$ $\frac{4}{12}$	$\frac{5}{12}$ $\frac{6}{24}$ $\frac{9}{36}$ $\frac{4}{16}$

- b) Are any of the boxes empty?

Why do you think this is?

Talk about your answer with a partner.



- 6 Find three ways to make the fractions equivalent.

Various answers e.g.

a) $\frac{2}{2} = \frac{4}{4}$ $\frac{2}{5} = \frac{4}{10}$ $\frac{2}{71} = \frac{4}{142}$

b) $\frac{1}{5} = \frac{4}{20}$ $\frac{1}{2} = \frac{4}{8}$ $\frac{1}{10} = \frac{4}{40}$

c) $\frac{2}{3} = \frac{6}{9}$ $\frac{1}{3} = \frac{3}{9}$ $\frac{3}{3} = \frac{9}{9}$

- 7 Eva and Ron have a baguette each.

The baguettes are the same size.

Eva cuts her baguette into 8 equal pieces.



3 of my equal pieces are equal to 6 of Eva's.



How many equal pieces has Ron cut his baguette into?

Eva

Ron

Ron has cut his baguette into equal pieces.

Tuesday Maths