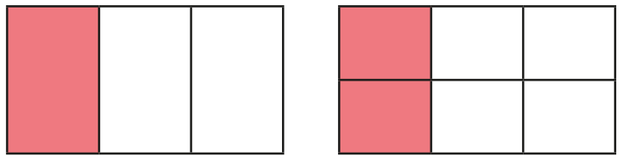
Equivalent fractions (2)

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

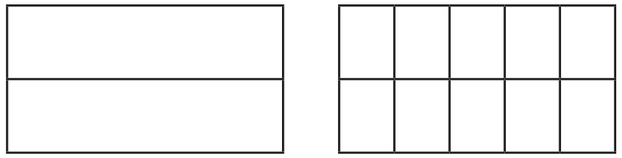
The first one has been done for you.

a)



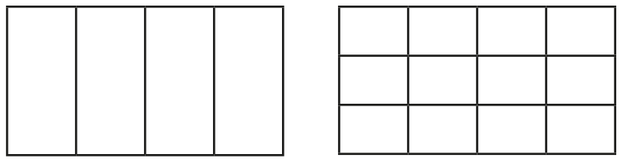
$\frac{1}{3} = \frac{2}{6}$

b)



$\frac{1}{2} = \frac{\square}{\square}$

c)



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

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

3 Match the equivalent fractions.

$\frac{1}{4}$	$\frac{3}{21}$
$\frac{4}{10}$	$\frac{2}{3}$
$\frac{10}{15}$	$\frac{2}{5}$
$\frac{1}{7}$	$\frac{3}{12}$

4 Complete the equivalent fractions.

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

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

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

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

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

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

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

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

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

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

$\frac{8}{24}$	$\frac{3}{12}$	$\frac{5}{15}$	$\frac{6}{24}$	$\frac{4}{12}$	$\frac{9}{36}$	$\frac{3}{9}$	$\frac{4}{16}$

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

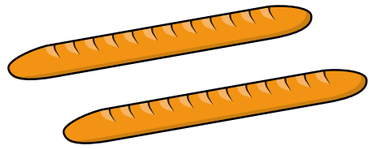
b) $\frac{1}{\square} = \frac{4}{\square}$ $\quad \frac{1}{\square} = \frac{4}{\square}$ $\quad \frac{1}{\square} = \frac{4}{\square}$

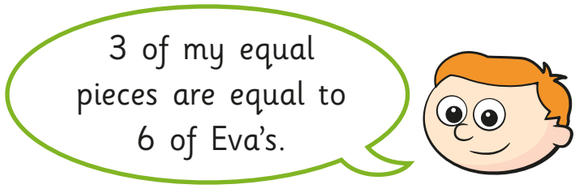
c) $\frac{\square}{3} = \frac{\square}{9}$ $\quad \frac{\square}{3} = \frac{\square}{9}$ $\quad \frac{\square}{3} = \frac{\square}{9}$

7 Eva and Ron have a baguette each.

The baguettes are the same size.

Eva cuts her baguette into 8 equal pieces.





How many equal pieces has Ron cut his baguette into?

Ron has cut his baguette into $\square$ equal pieces.

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