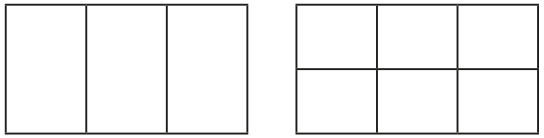
Equivalent fractions (3)

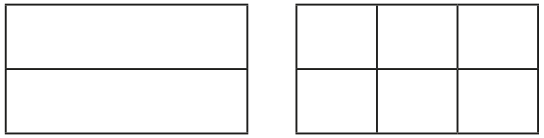
1 Shade the shapes to help you complete the equivalent fractions.

a)



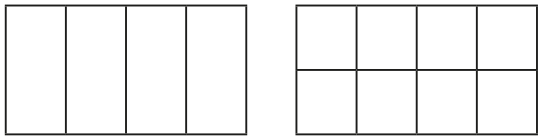
$\frac{1}{3} = \frac{\square}{\square}$

b)



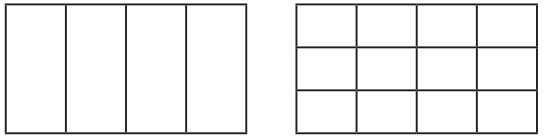
$\frac{1}{2} = \frac{\square}{\square}$

c)



$\frac{3}{4} = \frac{\square}{\square}$

d)



$\frac{3}{4} = \frac{\square\square}{\square\square}$

2 Use the fraction wall to complete the equivalent fractions.

$\frac{1}{3}$			$\frac{1}{3}$			$\frac{1}{3}$		
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$

a) $\frac{1}{3} = \frac{\square}{6}$ **b)** $\frac{1}{3} = \frac{\square}{9}$ **c)** $\frac{2}{3} = \frac{4}{\square}$

d) $\frac{2}{3} = \frac{6}{\square}$ **e)** $\frac{4}{6} = \frac{6}{\square}$ **f)** $\frac{1}{3} = \frac{\square}{6} = \frac{\square}{9}$

3 Draw a picture to show that one quarter is equivalent to two eighths.

4 Use the fraction wall to decide whether the fractions are equivalent or not.

$\frac{1}{2}$				$\frac{1}{2}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$	
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

Complete the sentences using **is** or **is not**.

a) $\frac{1}{2}$ _____ equivalent to $\frac{2}{4}$

b) $\frac{1}{4}$ _____ equivalent to $\frac{2}{10}$

c) $\frac{1}{2}$ _____ equivalent to $\frac{5}{10}$

d) $\frac{3}{10}$ _____ equivalent to $\frac{2}{5}$

e) $\frac{4}{5}$ _____ equivalent to $\frac{8}{10}$

f) $\frac{3}{4}$ _____ equivalent to $\frac{4}{5}$

Write some sentences of your own and ask a partner to fill in the gaps.

Equivalent fractions (3)

d) $\frac{2}{3} = \frac{6}{\square}$ e) $\frac{4}{6} = \frac{6}{\square}$ f) $\frac{1}{3} = \frac{\square}{6} = \frac{\square}{9}$

3 Draw a picture to show that one quarter is equivalent to two eighths.

4 Use the fraction wall to decide whether the fractions are equivalent or not.

$\frac{1}{2}$					$\frac{1}{2}$				
$\frac{1}{4}$				$\frac{1}{4}$				$\frac{1}{4}$	
$\frac{1}{5}$			$\frac{1}{5}$			$\frac{1}{5}$			$\frac{1}{5}$
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

Complete the sentences using **is** or **is not**.

a) $\frac{1}{2}$ _____ equivalent to $\frac{2}{4}$

b) $\frac{1}{4}$ _____ equivalent to $\frac{2}{10}$

c) $\frac{1}{2}$ _____ equivalent to $\frac{5}{10}$

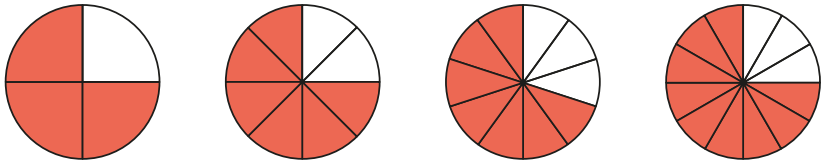
d) $\frac{3}{10}$ _____ equivalent to $\frac{2}{5}$

e) $\frac{4}{5}$ _____ equivalent to $\frac{8}{10}$

f) $\frac{3}{4}$ _____ equivalent to $\frac{4}{5}$

Write some sentences of your own and ask a partner to fill in the gaps.

5 **a)** What fraction of each shape is shaded?



b) Use the fractions in part a) to complete the sentences in two ways.

☐ is equivalent to ☐

☐ is not equivalent to ☐

Compare answers with a partner.

6 The bar model represents $\frac{1}{2}$

Write as many equivalent fractions as you can.

What is the same about all the fractions you have written?