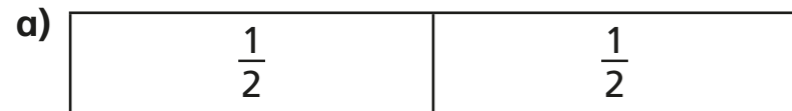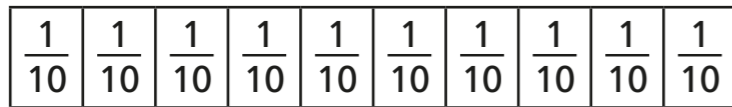# Equivalent fractions (1)

1 Shade the bar models to represent the equivalent fractions.
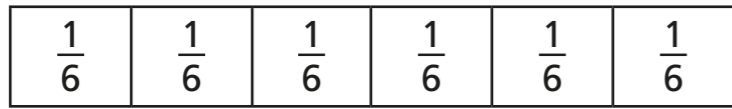
a)

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

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

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

b)

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

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

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

c)

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

$\frac{4}{5} = \frac{8}{10}$

d)

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

$\frac{6}{8} = \frac{3}{4}$

2 Use the fraction wall to complete the equivalent fractions.

$\frac{1}{2}$				$\frac{1}{2}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
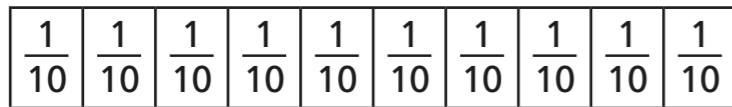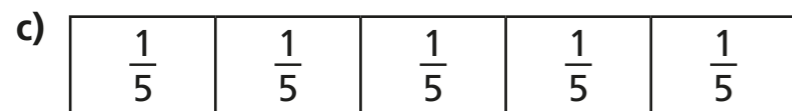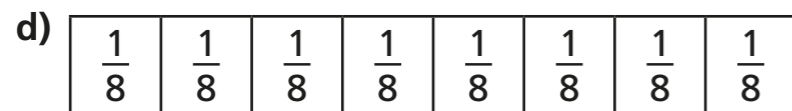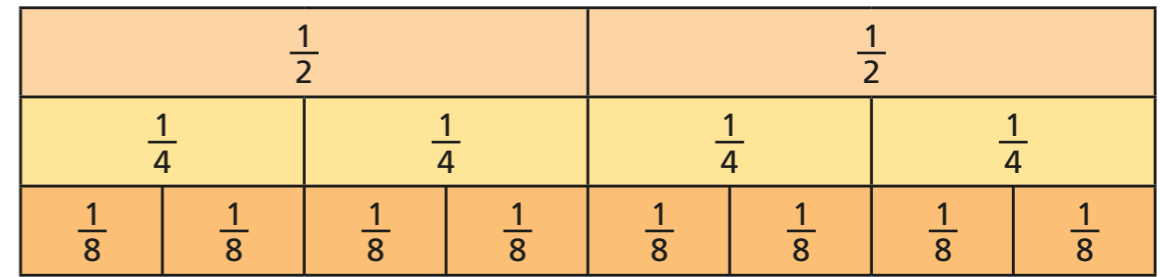
a) $\frac{1}{2} = \frac{\Box}{4}$

c) $\frac{2}{4} = \frac{4}{\Box}$

e) $\frac{\Box}{8} = \frac{3}{4}$

b) $\frac{1}{2} = \frac{\Box}{8}$

d) $\frac{2}{8} = \frac{\Box}{4}$

f) $\frac{2}{2} = \frac{\Box}{4} = \frac{\Box}{8}$

3 **a)** Label the fractions on the fraction wall.
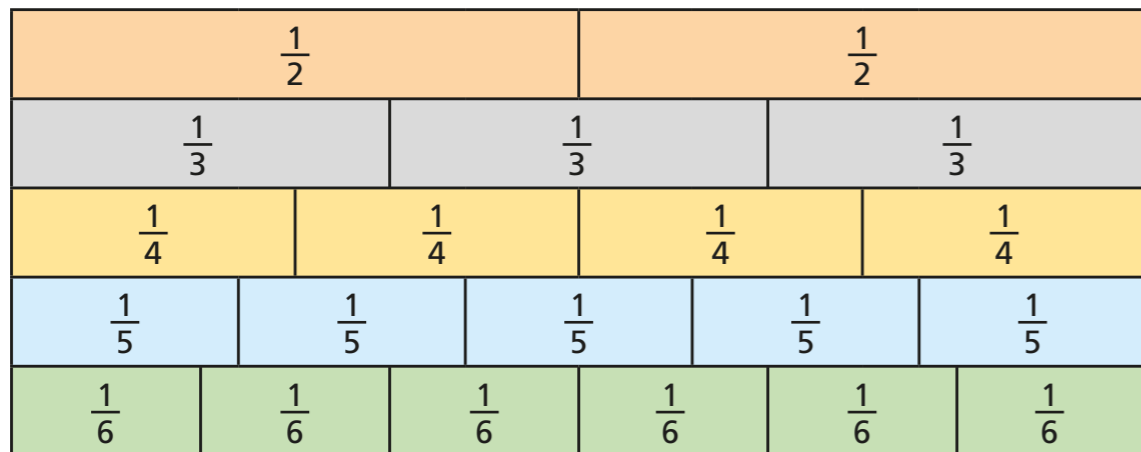
1							
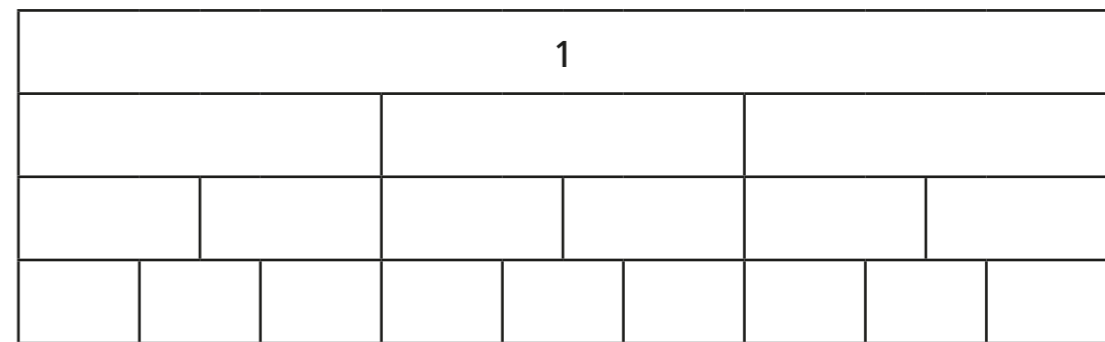
b) Use the fraction wall to complete the equivalent fractions.

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

$\frac{\Box}{3} = \frac{4}{\Box} = \frac{6}{9}$

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

4 Here is a fraction wall.

$\frac{1}{2}$			$\frac{1}{2}$		
$\frac{1}{3}$		$\frac{1}{3}$		$\frac{1}{3}$	
$\frac{1}{4}$	$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$		$\frac{1}{5}$
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

Is each statement true or false? Tick your answers.

		True	False
a) $\frac{1}{2}$ is equivalent to $\frac{3}{6}$		☐	☐
b) $\frac{2}{3}$ is equivalent to $\frac{3}{4}$		☐	☐
c) $\frac{2}{4}$ is equivalent to $\frac{3}{6}$		☐	☐
d) $\frac{2}{3}$ is equivalent to $\frac{4}{5}$		☐	☐
e) $\frac{2}{3}$ is equivalent to $\frac{4}{6}$		☐	☐
f) $\frac{3}{5}$ is equivalent to $\frac{4}{6}$		☐	☐

Write your own equivalent fractions statements.

Ask a partner to say if they are true or false.

5 Are the statements always, sometimes or never true?

Circle your answer.

Draw a diagram to support your answer.

a) The greater the numerator, the greater the fraction.

always   **sometimes**   **never**

b) Fractions equivalent to one half have even numerators.

always   **sometimes**   **never**

c) If a fraction is equivalent to one half, the denominator will be double the numerator.

always   **sometimes**   **never**