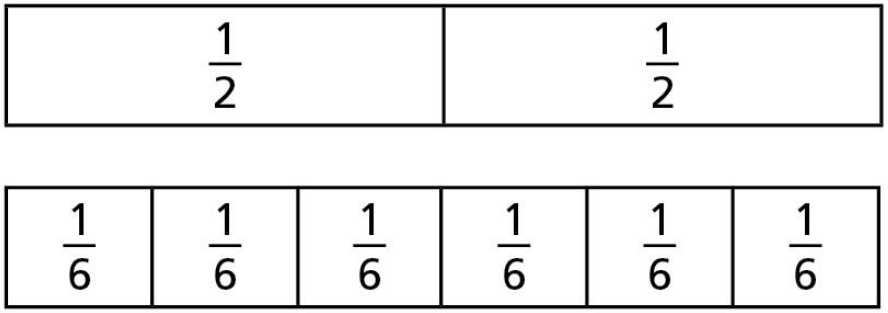
Equivalent fractions (1)

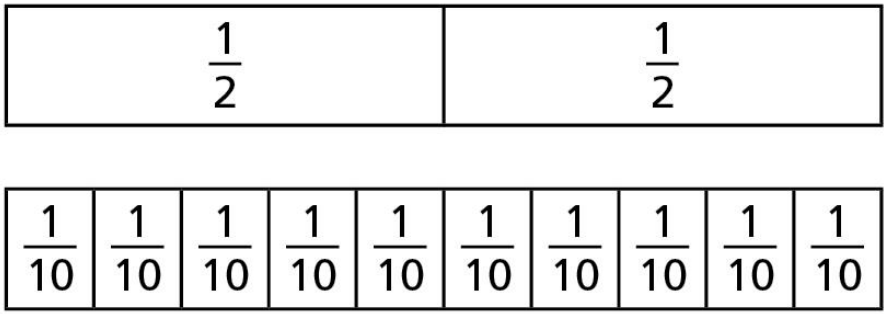
1 Shade the bar models to represent the equivalent fractions.

a)



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

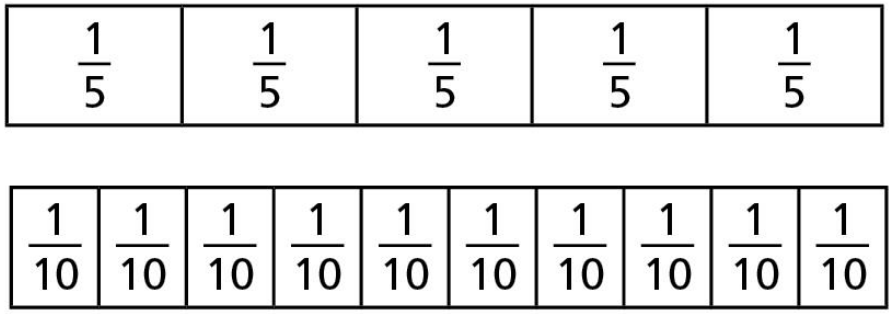
b)



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

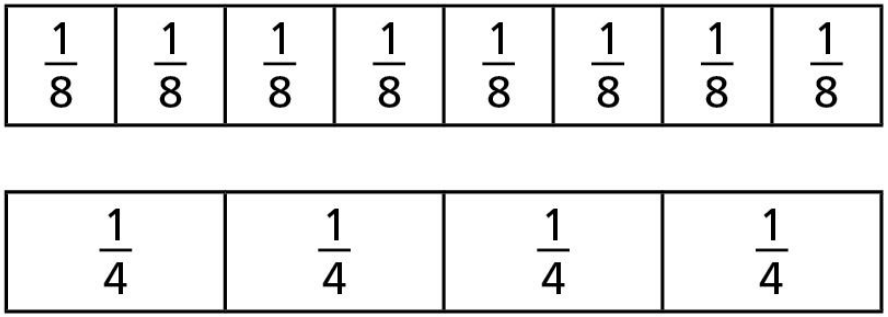
1

c)



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

d)



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

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) $\frac{1}{2} = \frac{\square}{4}$

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

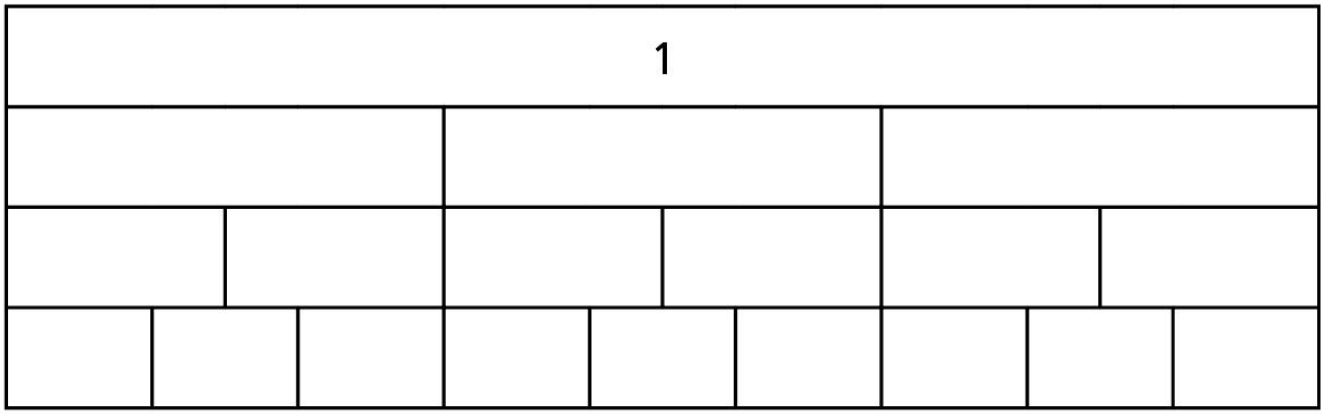
c) $\frac{2}{4} = \frac{4}{\square}$

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

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

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

3 **a)** Label the fractions on the fraction wall.

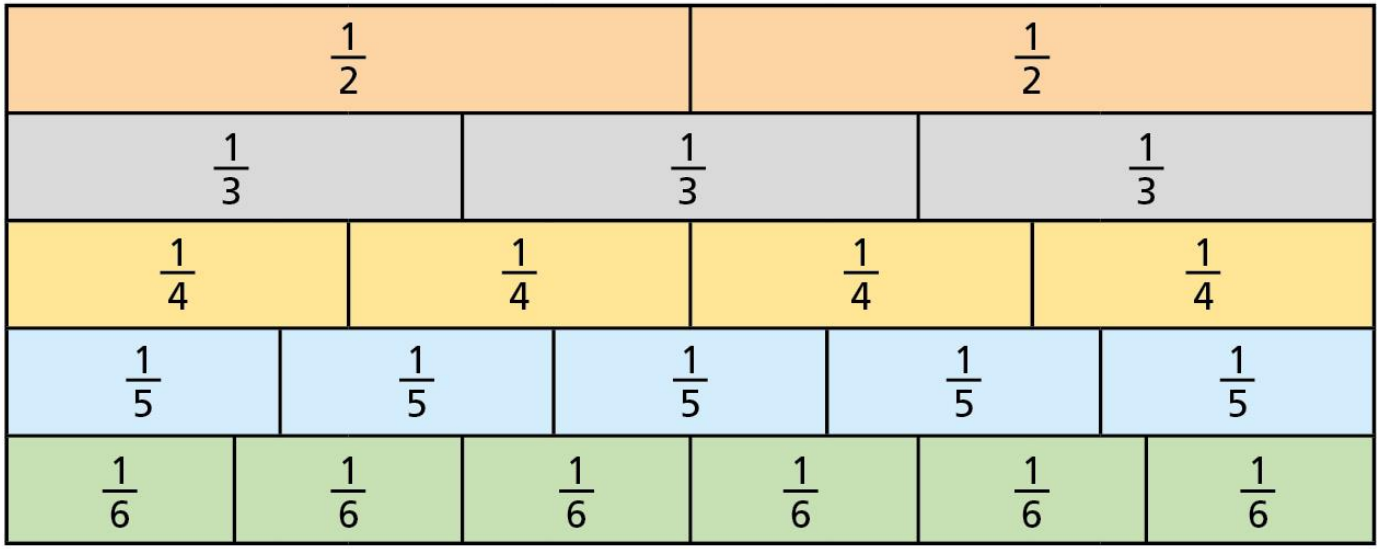


b) Use the fraction wall to complete the equivalent fractions.

$$\frac{1}{3} = \frac{\square}{6} = \frac{3}{\square} \qquad \frac{\square}{3} = \frac{4}{\square} = \frac{6}{9}$$

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

4 Here is a fraction wall.



Is each statement true or false? Tick your answers.

	True	False
a) $\frac{1}{2}$ is equivalent to $\frac{3}{6}$	☐	☐

		True	False
4	**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**

5 **b)** Fractions equivalent to one half have even numerators.

always **sometimes** **never**

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

always **sometimes** **never**