

Shade the bar models to represent the equivalent fractions.

a)



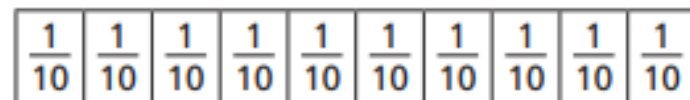
$$\frac{1}{2} = \frac{3}{6}$$



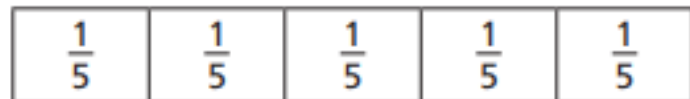
b)



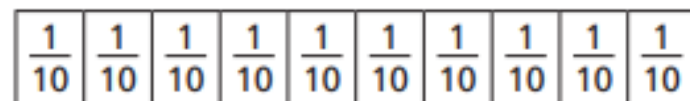
$$\frac{1}{2} = \frac{5}{10}$$



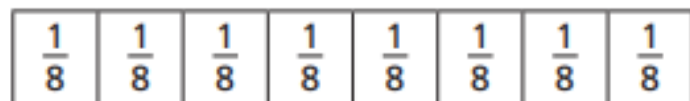
c)



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



d)



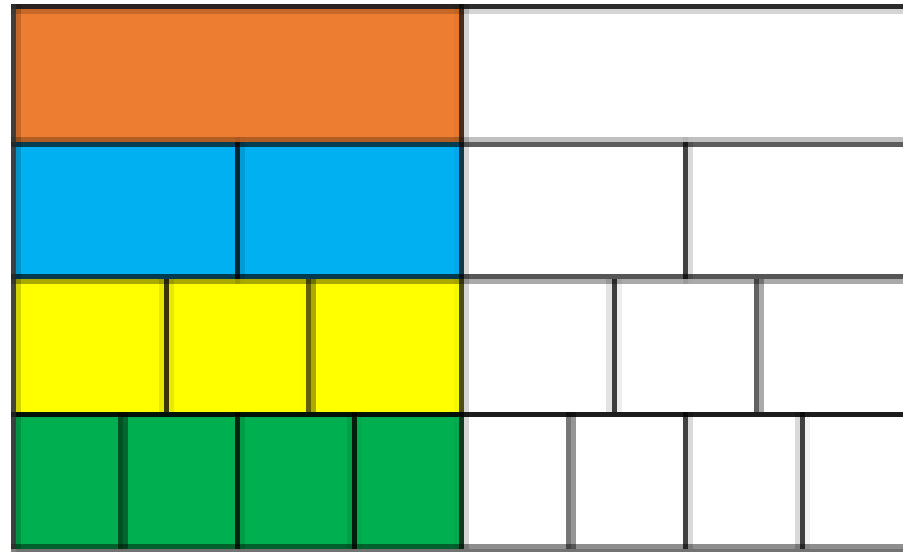
$$\frac{6}{8} = \frac{3}{4}$$



# RECALL



How many fractions that are equivalent to one half can you see on the fraction wall?



Draw extra rows to show other equivalent fractions.

## LO: equivalent fractions

Some will even find missing numerators and denominators.

Some will draw representations to show equivalent fractions.

Most will find equivalent fractions (any denominators) .

All will find equivalent fractions ( $\frac{1}{2}$   $\frac{1}{4}$  and  $\frac{1}{10}$ ).

# LEARNING HABIT RESILIENCE.





$$?/20 = 1/10$$

$$?/30 = 1/10$$

$$?/40 = 1/10$$

$$?/50 = 1/10$$



$$?/4 = 1/2$$

$$?/6 = 1/2$$

$$?/8 = 1/2$$

$$?/10 = 1/2$$



$$?/8 = 1/4$$

$$?/12 = 1/4$$

$$?/16 = 1/4$$

$$?/20 = 1/4$$

INTELLIGENT  
PRACTICE.



## Dive deeper 1

Complete the equivalent fractions.

a)  $\frac{1}{7} = \frac{\boxed{\phantom{000}}}{14}$

d)  $\frac{3}{4} = \frac{6}{\boxed{\phantom{000}}}$

g)  $\frac{2}{\boxed{\phantom{000}}} = \frac{10}{15}$

b)  $\frac{5}{7} = \frac{\boxed{\phantom{000}}}{14}$

e)  $\frac{3}{4} = \frac{12}{\boxed{\phantom{000}}}$

h)  $\frac{2}{\boxed{\phantom{000}}} = \frac{10}{25}$

c)  $\frac{7}{8} = \frac{14}{\boxed{\phantom{000}}}$

f)  $\frac{3}{4} = \frac{\boxed{\phantom{000}}}{12}$

i)  $\frac{2}{7} = \frac{10}{\boxed{\phantom{000}}}$

## Dive deeper 2

Ron is finding equivalent fractions to  $\frac{1}{4}$



$\frac{1}{4}$  is equivalent to  $\frac{5}{8}$   
and  $\frac{9}{12}$

Do you agree with Ron?

Draw a diagram to support your answer.

## Dive deeper 3

Here are some equivalent fractions.

Find the values of A, B and C.

$\frac{A}{9}$	$\frac{3}{B}$	$\frac{2}{18}$	$\frac{C}{90}$
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Here are three fraction cards.

All the fractions are equivalent.

$\frac{3}{A}$	$\frac{B}{14}$	$\frac{12}{C}$
---------------	----------------	----------------

$$A + B = 13$$

Work out the value of C.

# DIVE DEEPER



$$2/20 = 1/10$$

$$3/30 = 1/10$$

$$4/40 = 1/10$$

$$5/50 = 1/10$$



$$2/4 = 1/2$$

$$3/6 = 1/2$$

$$4/8 = 1/2$$

$$5/10 = 1/2$$



$$2/8 = 1/4$$

$$3/12 = 1/4$$

$$4/16 = 1/4$$

$$5/20 = 1/4$$

INTELLIGENT  
PRACTICE  
ANSWERS



## Dive deeper 1

Complete the equivalent fractions.

a)  $\frac{1}{7} = \frac{\boxed{2}}{14}$

d)  $\frac{3}{4} = \frac{6}{\boxed{8}}$

g)  $\frac{2}{\boxed{3}} = \frac{10}{15}$

b)  $\frac{5}{7} = \frac{\boxed{10}}{14}$

e)  $\frac{3}{4} = \frac{12}{\boxed{16}}$

h)  $\frac{2}{\boxed{5}} = \frac{10}{25}$

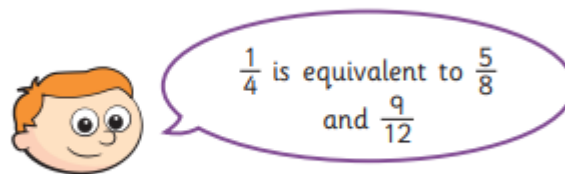
c)  $\frac{7}{8} = \frac{14}{\boxed{16}}$

f)  $\frac{3}{4} = \frac{\boxed{9}}{12}$

i)  $\frac{2}{7} = \frac{10}{\boxed{35}}$

## Dive deeper 2

Ron is finding equivalent fractions to  $\frac{1}{4}$



Do you agree with Ron?

Draw a diagram to support your answer.

$\frac{1}{4}$  is equivalent to  $\frac{9}{12}$  but not  $\frac{5}{8}$

## Dive deeper 3

Here are some equivalent fractions.

Find the values of A, B and C.

$\frac{A}{9}$	$\frac{3}{B}$	$\frac{2}{18}$	$\frac{C}{90}$
---------------	---------------	----------------	----------------

$A = 1$

$B = 27$

$C = 10$

Here are three fraction cards.

All the fractions are equivalent.

$\frac{3}{A}$	$\frac{B}{14}$	$\frac{12}{C}$
---------------	----------------	----------------

$A + B = 13$

Work out the value of C.

$A = 7$

$B = 6$

$C = 28$

# DIVE DEEPER ANSWERS

