

Fractions Wall

1											
1/2								1/2			
1/3				1/3				1/3			
1/4				1/4				1/4			
1/5				1/5				1/5			
1/6				1/6				1/6			
1/7				1/7				1/7			
1/8				1/8				1/8			
1/9				1/9				1/9			
1/10				1/10				1/10			
1/11				1/11				1/11			
1/12				1/12				1/12			

To start:

Take a strip of paper and fold it into four equal parts. Shade one of these parts (it should be a quarter). Is there a way to get more parts out of this one piece of paper? What can we split a quarter into?

In Focus



This is my share.
I get 1 part out of 4 parts.

Is it possible to get more parts but still the same amount?

Let's Learn

1



I get 1 part.
Four of these make 1.



This is 1 fourth or 1 quarter.

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

2



This one part can be
cut into 2 equal parts.



Eight of these make 1.
What is the name of each?

$$\frac{2}{4}$$



3



This one part can be cut into 4 equal parts.



of these make 1.
What is the name of each?



4



Try to get 12 equal parts from 1.



This one piece is cut into equal parts to get twelfths.



5

What can you say about $\frac{1}{4}$, $\frac{2}{8}$ and $\frac{3}{12}$?



1 fourth



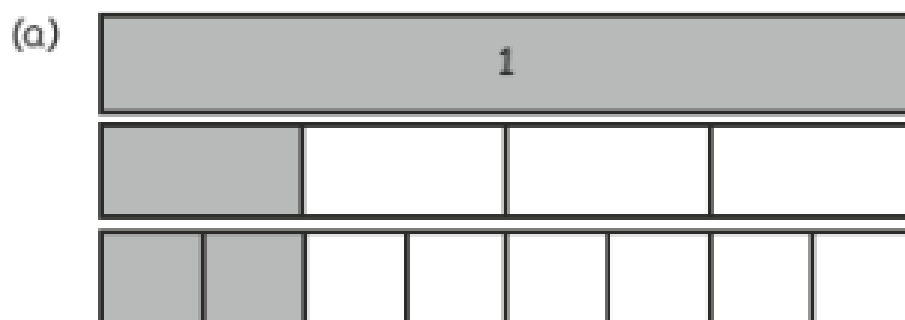
2 eighths



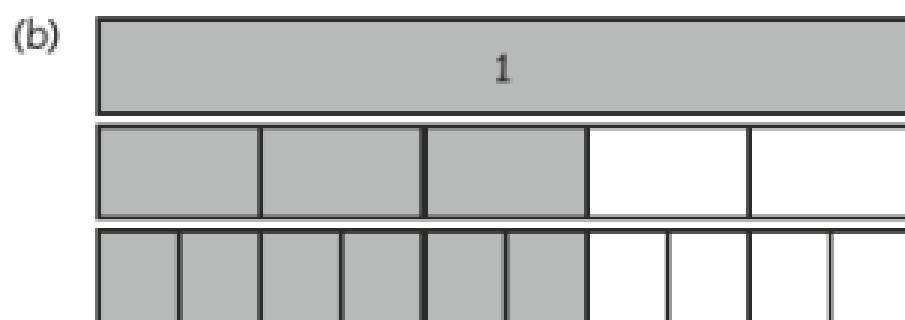
3 twelfths

Finding Equivalent Fractions

Fill in the blanks.



$$\frac{1}{4} = \frac{\boxed{}}{\boxed{8}}$$



$$\frac{3}{5} = \frac{\boxed{}}{\boxed{10}}$$

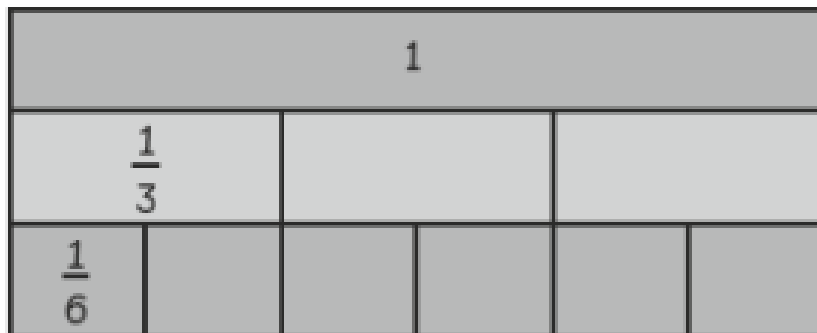


$$\frac{3}{4} = \frac{\boxed{}}{\boxed{8}} = \frac{\boxed{}}{\boxed{12}}$$

Finding Equivalent Fractions

Look at the diagram and fill in the blanks.

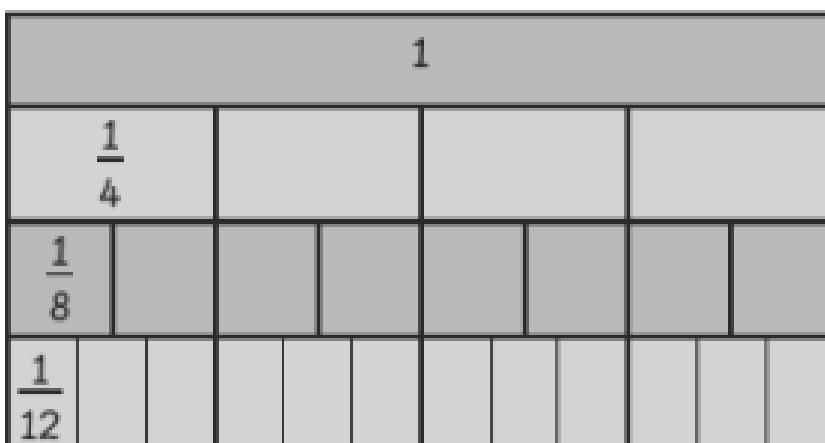
(a)



(i) $1 = \frac{\quad}{3}$

(ii) $\frac{2}{3} = \frac{\quad}{6}$

(b)



(i) $1 = \frac{\quad}{4}$

(ii) $\frac{2}{4} = \frac{\quad}{8}$

(iii) $\frac{2}{4} = \frac{\quad}{12}$