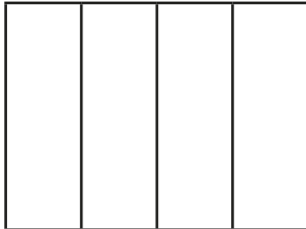
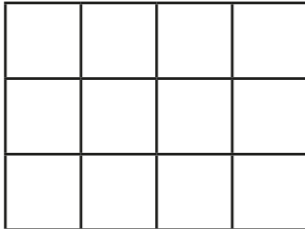
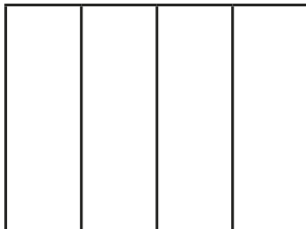
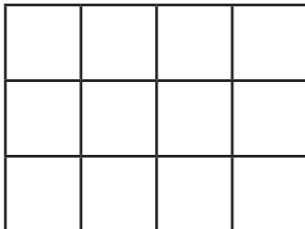


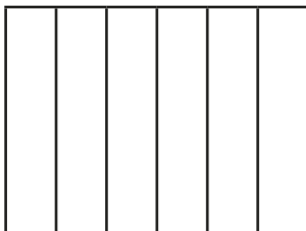
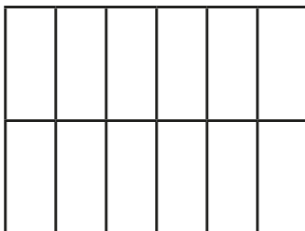
Equivalent fractions

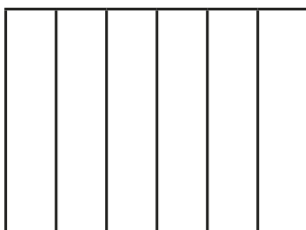
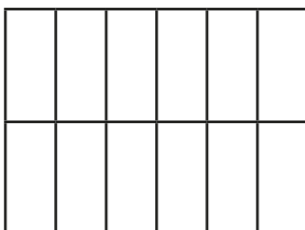


1 Shade the shapes to show the equivalent fractions.

a)   $\frac{1}{4} = \frac{\square}{12}$

b)   $\frac{3}{4} = \frac{\square}{12}$

c)   $\frac{1}{6} = \frac{\square}{\square}$

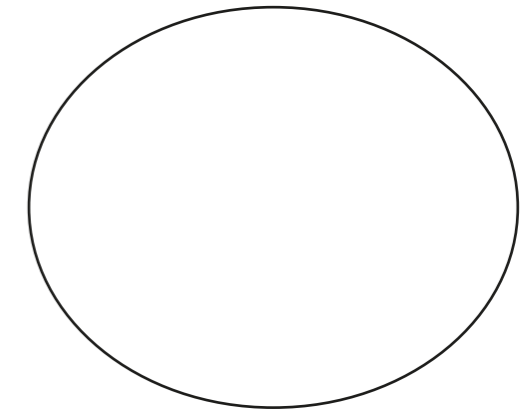
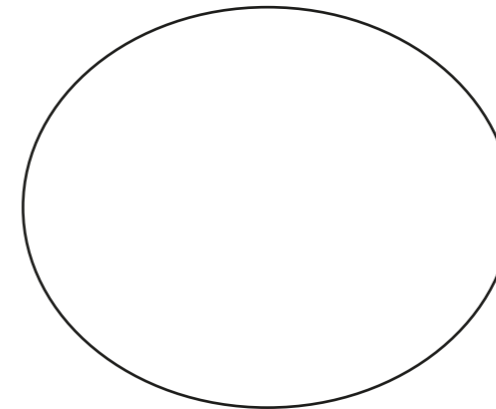
d)   $\frac{5}{6} = \frac{\square}{\square}$

2 Draw two rectangles to show that $\frac{1}{3} = \frac{4}{12}$

3 a) Sort the fractions into the groups.

Equivalent to $\frac{1}{4}$

Equivalent to $\frac{1}{3}$



- | | | | | | | | |
|----------------|---------------|----------------|----------------|----------------|----------------|----------------|---------------|
| $\frac{5}{15}$ | $\frac{2}{6}$ | $\frac{3}{12}$ | $\frac{6}{24}$ | $\frac{8}{24}$ | $\frac{5}{20}$ | $\frac{4}{12}$ | $\frac{2}{8}$ |
|----------------|---------------|----------------|----------------|----------------|----------------|----------------|---------------|

b) Write one more fraction in each group.

4 Complete the equivalent fractions.

a) $\frac{1}{7} = \frac{\square}{14}$

d) $\frac{3}{4} = \frac{6}{\square}$

g) $\frac{2}{\square} = \frac{10}{15}$

b) $\frac{5}{7} = \frac{\square}{14}$

e) $\frac{3}{4} = \frac{12}{\square}$

h) $\frac{2}{\square} = \frac{10}{25}$

c) $\frac{7}{8} = \frac{14}{\square}$

f) $\frac{3}{4} = \frac{\square}{12}$

i) $\frac{2}{7} = \frac{10}{\square}$

j) Describe the pattern in part g), h) and i) to a partner.





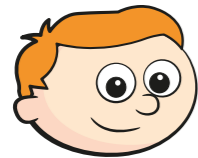
5 Find three ways to make the fractions equivalent.

a) $\frac{1}{\square} = \frac{7}{\square}$ b) $\frac{7}{\square} = \frac{14}{\square}$ c) $\frac{\square}{7} = \frac{\square}{14}$

$\frac{1}{\square} = \frac{7}{\square}$ $\frac{7}{\square} = \frac{14}{\square}$ $\frac{\square}{7} = \frac{\square}{14}$

$\frac{1}{\square} = \frac{7}{\square}$ $\frac{7}{\square} = \frac{14}{\square}$ $\frac{\square}{7} = \frac{\square}{14}$

6 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.

Compare answers with a partner.



7 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 = B = C =

8 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.

C =

9 $\frac{1}{5} = \frac{3}{1 + \bullet}$

Find the value of \bullet

$\bullet =$

