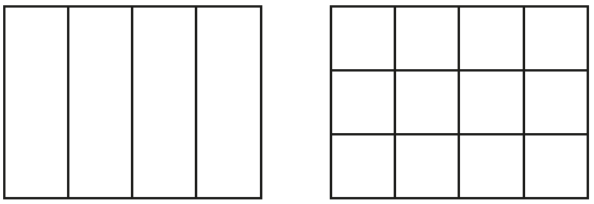
25.1.21

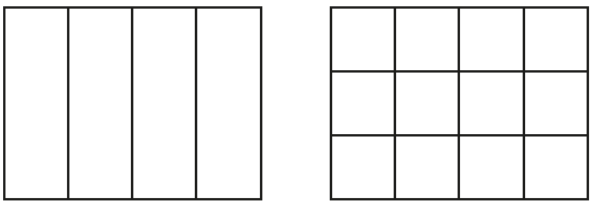
L.O. To find equivalent fractions

1.

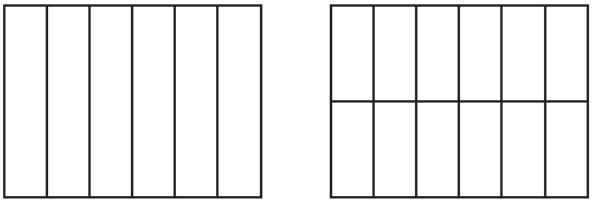
Shade the shapes to show the equivalent fractions.

a) 

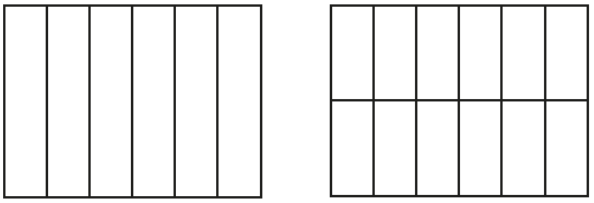
$\frac{1}{4} = \frac{\square}{12}$

b) 

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

c) 

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

d) 

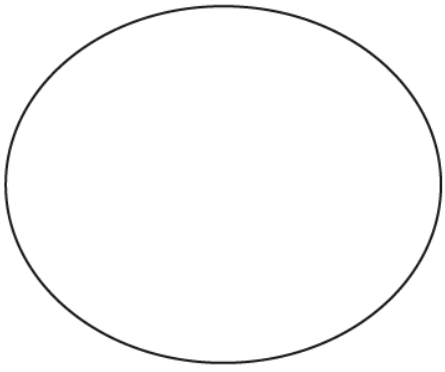
$\frac{5}{6} = \frac{\square}{\square}$

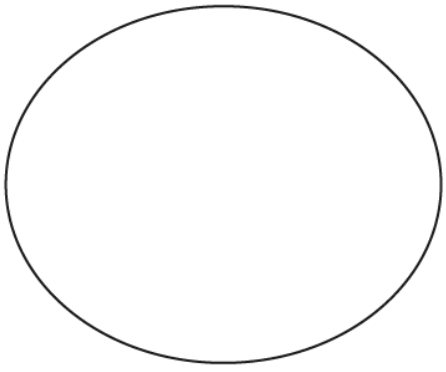
2.

a) Sort the fractions into the groups.

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

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





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

3.

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

4.

Complete the equivalent fractions.

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

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

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

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

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

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

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

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

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

5.

Here are some equivalent fractions.

Find the values of A, B and C.

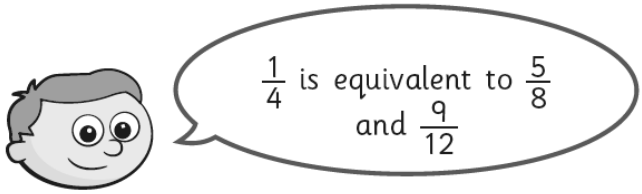
$\frac{A}{9}$ $\frac{3}{B}$ $\frac{2}{18}$ $\frac{C}{90}$

A = ☐ B = ☐ C = ☐

EQUIVALENT FRACTIONS CHALLENGES

1.

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



Do you agree with Ron? _____

Draw a diagram to support your answer.

2.

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.

3.

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

Find the value of $\bullet$