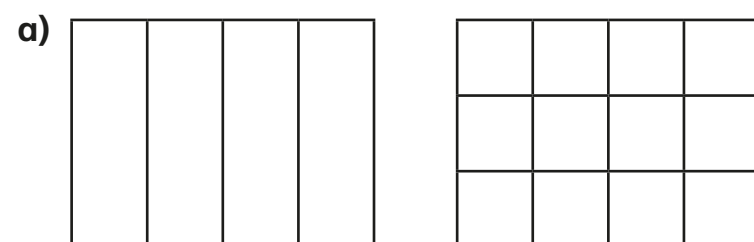


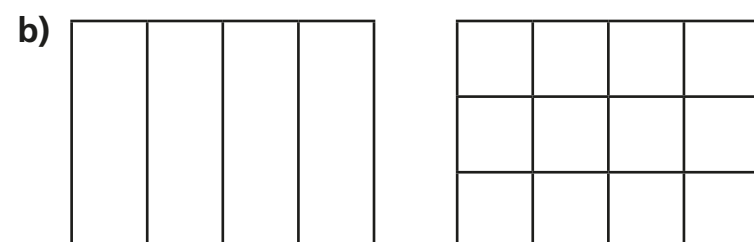
Equivalent fractions



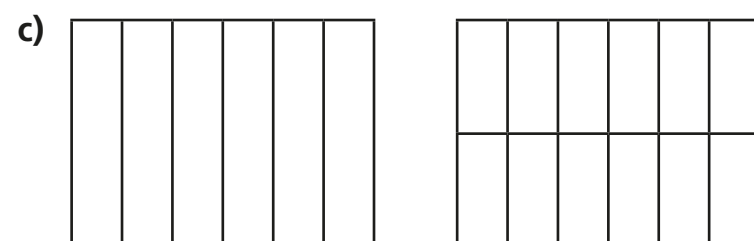
1 Shade the shapes to show the equivalent fractions.



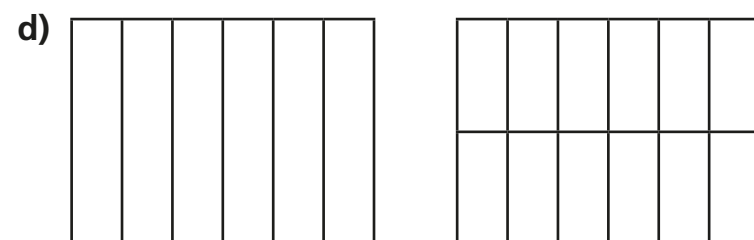
$$\frac{1}{4} = \frac{\boxed{}}{12}$$



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



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

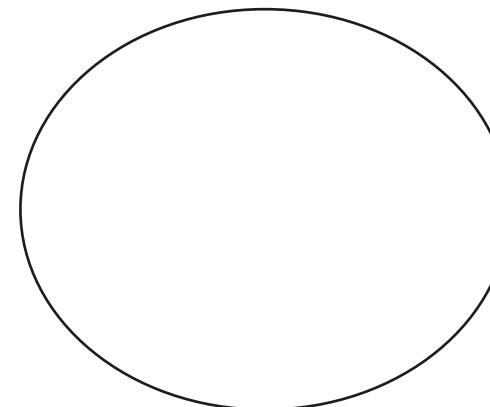


$$\frac{5}{6} = \frac{\boxed{}}{\boxed{}}$$

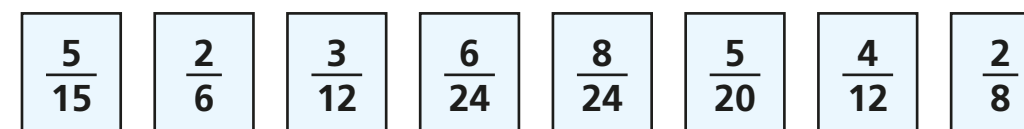
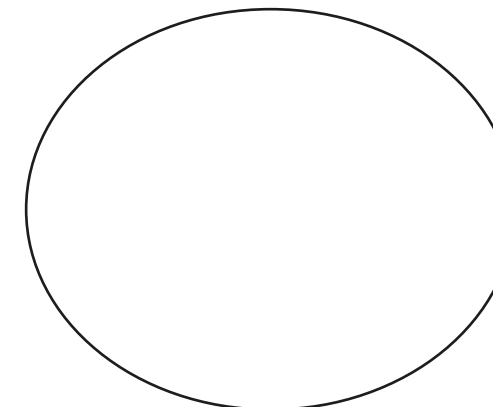
2 Draw two rectangles to show that $\frac{1}{3} = \frac{4}{12}$

3 a) Sort the fractions into the groups.

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



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



b) Write one more fraction in each group.

4 Complete the equivalent fractions.

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

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

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

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

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

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

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

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

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

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



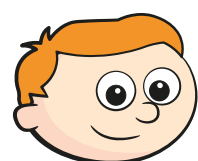
- 5 Find three ways to make the fractions equivalent.

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 = $\square$

B = $\square$

C = $\square$

- 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 = $\square$

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

Find the value of $\bullet$

$\bullet = \square$

