

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.

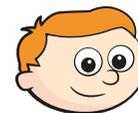
a) $\frac{1}{7} = \frac{\square}{14}$	d) $\frac{3}{4} = \frac{6}{\square}$	g) $\frac{2}{\square} = \frac{10}{15}$
b) $\frac{5}{7} = \frac{\square}{14}$	e) $\frac{3}{4} = \frac{12}{\square}$	h) $\frac{2}{\square} = \frac{10}{25}$
c) $\frac{7}{8} = \frac{14}{\square}$	f) $\frac{3}{4} = \frac{\square}{12}$	i) $\frac{2}{7} = \frac{10}{\square}$

j) Describe the pattern in parts 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) $\frac{\square}{7} = \frac{\square}{14}$
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$\frac{1}{\square} = \frac{7}{\square}$	$\frac{7}{\square} = \frac{14}{\square}$	$\frac{\square}{7} = \frac{\square}{14}$

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.



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

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and $\frac{9}{12}$

Do you agree with Ron?

Draw a diagram to support your answer.

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7 Here are some equivalent fractions.

Find the values of A, B and C.

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

All the fractions are equivalent.

$\frac{3}{A}$	$\frac{B}{14}$	$\frac{12}{C}$
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$A + B = 13$

Work out the value of C.



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

Find the value of \bullet

