



Name: _____



1) Find the values of the missing letters to make the fractions equivalent:

- | | | | | |
|--|--|--|---|---|
| a) $\frac{5}{6} = \frac{\square}{24}$ | d) $\frac{8}{14} = \frac{\square}{42}$ | g) $\frac{6}{14} = \frac{\square}{42}$ | j) $\frac{1}{6} = \frac{\square}{108}$ | m) $\frac{1}{11} = \frac{\square}{88}$ |
| b) $\frac{4}{9} = \frac{\square}{27}$ | e) $\frac{6}{\square} = \frac{36}{63}$ | h) $\frac{6}{\square} = \frac{48}{64}$ | k) $\frac{5}{8} = \frac{75}{\square}$ | n) $\frac{7}{9} = \frac{56}{\square}$ |
| c) $\frac{5}{12} = \frac{\square}{36}$ | f) $\frac{3}{9} = \frac{\square}{72}$ | i) $\frac{6}{9} = \frac{\square}{72}$ | l) $\frac{4}{\square} = \frac{24}{114}$ | o) $\frac{11}{\square} = \frac{77}{91}$ |

Shade the shapes provide to match the given equivalent fraction

a) $\frac{1}{2}$	b) $\frac{3}{4}$	c) $\frac{5}{8}$
d) $\frac{5}{16}$	e) $\frac{3}{8}$	f) $\frac{1}{4}$
g) $\frac{7}{16}$	h) $\frac{5}{32}$	i) $\frac{10}{80}$
j) $\frac{3}{25}$	k) $\frac{42}{50}$	l) $\frac{2}{5}$

Simplify the following fractions:

a) $\frac{4}{8}$ <input type="text"/>	e) $\frac{20}{60}$ <input type="text"/>	i) $\frac{42}{56}$ <input type="text"/>	j) $\frac{8}{52}$ <input type="text"/>
b) $\frac{4}{20}$ <input type="text"/>	f) $\frac{24}{36}$ <input type="text"/>	j) $\frac{63}{84}$ <input type="text"/>	j) $\frac{70}{91}$ <input type="text"/>
c) $\frac{3}{9}$ <input type="text"/>	g) $\frac{18}{42}$ <input type="text"/>	k) $\frac{45}{105}$ <input type="text"/>	k) $\frac{45}{198}$ <input type="text"/>
d) $\frac{8}{28}$ <input type="text"/>	h) $\frac{10}{32}$ <input type="text"/>	l) $\frac{72}{156}$ <input type="text"/>	l) $\frac{40}{72}$ <input type="text"/>



Exam question:

How many squares need to be shaded in the following diagram to make the amount shaded equivalent to:

- a) $\frac{3}{5}$
- b) $\frac{8}{15}$

