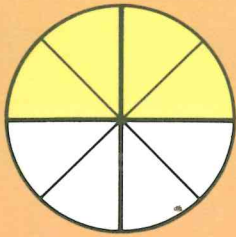


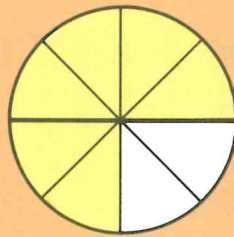
# Equal fractions



This diagram shows

$$\frac{4}{8} = \frac{1}{2}$$

Divide **both** numerator and denominator of  $\frac{4}{8}$  by 4  $\longrightarrow \frac{4}{8} = \frac{1}{2}$



This diagram shows

$$\frac{6}{8} = \frac{3}{4}$$

Divide **both** numerator and denominator of  $\frac{6}{8}$  by 2  $\longrightarrow \frac{6}{8} = \frac{3}{4}$

Copy and complete:

1 (a)  $\frac{2}{6} = \frac{1}{\square}$   
(c)  $\frac{4}{12} = \frac{1}{\square}$

(b)  $\frac{5}{10} = \frac{1}{\square}$   
(d)  $\frac{6}{12} = \frac{1}{\square}$

2 (a)  $\frac{4}{6} = \frac{2}{\square}$   
(c)  $\frac{8}{12} = \frac{2}{\square}$

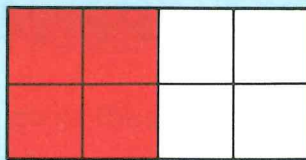
(b)  $\frac{8}{10} = \frac{4}{\square}$   
(d)  $\frac{9}{12} = \frac{3}{\square}$

3 (a)  $\frac{2}{4} = \frac{\square}{2}$   
(c)  $\frac{2}{10} = \frac{\square}{5}$

(b)  $\frac{3}{6} = \frac{\square}{2}$   
(d)  $\frac{4}{8} = \frac{\square}{2}$

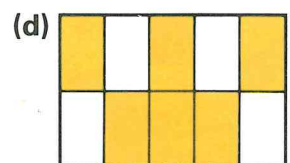
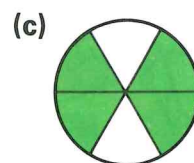
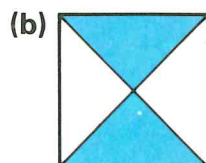
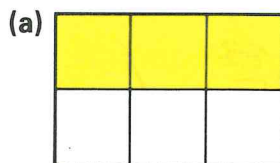
4 (a)  $\frac{4}{10} = \frac{\square}{5}$   
(c)  $\frac{15}{20} = \frac{\square}{4}$

(b)  $\frac{10}{12} = \frac{\square}{6}$   
(d)  $\frac{12}{20} = \frac{\square}{5}$



$\frac{4}{8}$  or  $\frac{1}{2}$  of this rectangle is coloured red.  
 $\frac{4}{8}$  can be **simplified** to  $\frac{1}{2}$  by dividing both numerator and denominator by 4.

5 For each of these shapes, write the fraction coloured and then simplify it.



Simplify each of these fractions.

- 6 (a)  $\frac{5}{10}$  (b)  $\frac{2}{8}$  (c)  $\frac{3}{6}$  (d)  $\frac{8}{10}$  (e)  $\frac{4}{6}$  (f)  $\frac{4}{12}$   
7 (a)  $\frac{4}{8}$  (b)  $\frac{6}{12}$  (c)  $\frac{8}{12}$  (d)  $\frac{9}{12}$  (e)  $\frac{10}{20}$  (f)  $\frac{12}{20}$