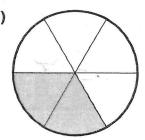
## Fractions: equivalence

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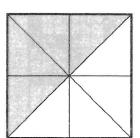
## **Equal fractions**

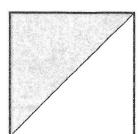
1 Write equal fractions for each pair of designs.

(a)

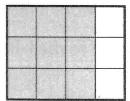


(b)



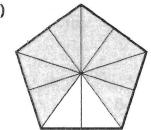


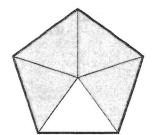
(c)





(d)





2 Copy and complete.

(a) 
$$\frac{5}{10} = \frac{5}{2}$$

(b) 
$$\frac{3}{9} = \frac{1}{3}$$

(c) 
$$\frac{3}{12} = \frac{3}{4}$$

(a) 
$$\frac{5}{10} = \frac{1}{2}$$
 (b)  $\frac{3}{9} = \frac{1}{3}$  (c)  $\frac{3}{12} = \frac{1}{4}$  (d)  $\frac{10}{20} = \frac{1}{2}$ 

(e) 
$$\frac{6}{9} = \frac{1}{3}$$

(f) 
$$\frac{8}{12} = \frac{3}{3}$$

(g) 
$$\frac{30}{100} = \frac{10}{100}$$

(e) 
$$\frac{6}{9} = \frac{1}{3}$$
 (f)  $\frac{8}{12} = \frac{1}{3}$  (g)  $\frac{30}{100} = \frac{1}{10}$  (h)  $\frac{18}{20} = \frac{1}{10}$ 

- 3 Change (a)  $\frac{6}{12}$  to halves (b)  $\frac{6}{8}$  to quarters (c)  $\frac{4}{12}$  to thirds

- (d)  $\frac{4}{10}$  to fifths (e)  $\frac{9}{12}$  to quarters (f)  $\frac{8}{20}$  to fifths.

4 Simplify.

(a) 
$$\frac{4}{6}$$

(b) 
$$\frac{2}{8}$$

(a) 
$$\frac{4}{6}$$
 (b)  $\frac{2}{8}$  (c)  $\frac{6}{10}$  (d)  $\frac{4}{20}$ 

(d) 
$$\frac{4}{20}$$

(e) 
$$\frac{5}{20}$$

(f) 
$$\frac{10}{12}$$
 (g)  $\frac{16}{20}$  (h)  $\frac{50}{100}$  (i)  $\frac{12}{20}$ 

(g) 
$$\frac{16}{20}$$



- What fraction of the jugs are (a) full (b) empty?
- There are 100 soldiers in the castle. Find the fraction of the soldiers who are on guard duty each day.

Numbe	er on guar	d duty
Sunday	Monday	Tuesday
10	20	25