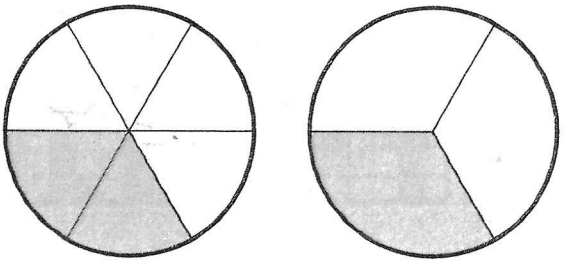
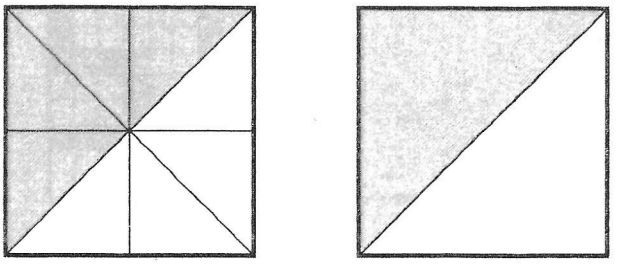
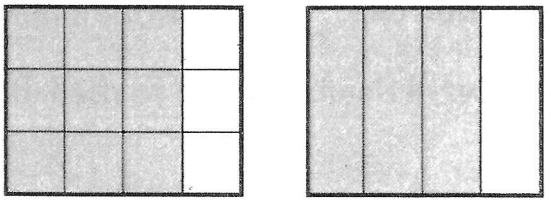
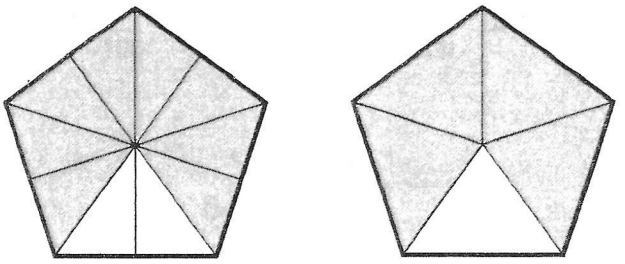
Equal fractions

1 Write equal fractions for each pair of designs.

(a) 

(b) 

(c) 

(d) 

2 Copy and complete.

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

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

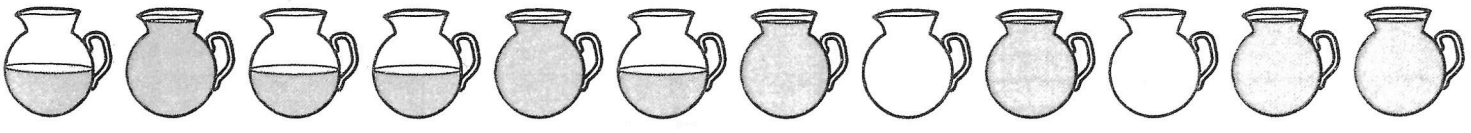
3 Change (a) $\frac{6}{12}$ to halves (b) $\frac{6}{8}$ to quarters (c) $\frac{4}{12}$ to thirds

(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) $\frac{2}{8}$ (c) $\frac{6}{10}$ (d) $\frac{4}{20}$ (e) $\frac{5}{20}$

(f) $\frac{10}{12}$ (g) $\frac{16}{20}$ (h) $\frac{50}{100}$ (i) $\frac{12}{20}$ (j) $\frac{70}{100}$



5 What fraction of the jugs are (a) full (b) empty?

6 There are 100 soldiers in the castle. Find the fraction of the soldiers who are on guard duty each day.

Number on guard duty		
Sunday	Monday	Tuesday
10	20	25