

## Exercise 7D

Example 8

1 Order each pair of fractions, using either  $<$  or  $>$  symbols:

a  $\frac{1}{2}$  and  $\frac{1}{3}$

b  $\frac{1}{3}$  and  $\frac{1}{5}$

c  $\frac{1}{3}$  and  $\frac{1}{6}$

d  $\frac{1}{3}$  and  $\frac{1}{12}$

e  $\frac{2}{3}$  and  $\frac{4}{5}$

f  $\frac{3}{5}$  and  $\frac{5}{3}$

g  $\frac{6}{11}$  and  $\frac{9}{10}$

h  $\frac{7}{12}$  and  $\frac{7}{9}$

i  $\frac{3}{4}$  and  $\frac{9}{11}$

j  $\frac{5}{8}$  and  $\frac{3}{4}$

k  $\frac{5}{6}$  and  $\frac{4}{9}$

l  $\frac{3}{8}$  and  $\frac{3}{10}$

Example 9

2 Write each pair of fractions with the same denominator, then place them on a number line. Use the symbol  $>$  or  $<$  to show which is the larger.

a  $\frac{3}{5}, \frac{2}{3}$

b  $\frac{3}{4}, \frac{5}{6}$

c  $\frac{7}{11}, \frac{4}{5}$

d  $\frac{5}{7}, \frac{4}{9}$

e  $\frac{5}{9}, \frac{2}{5}$

f  $\frac{3}{2}, \frac{2}{3}$

g  $\frac{5}{9}, \frac{5}{18}$

h  $\frac{3}{10}, \frac{7}{25}$

Example 10

3 Put the following fractions in order from smallest to largest. Use the fraction wall.

a  $\frac{1}{5}, \frac{3}{7}, \frac{3}{4}, \frac{1}{6}, \frac{3}{10}$

b  $\frac{1}{4}, \frac{7}{10}, \frac{2}{3}, \frac{1}{7}, \frac{2}{5}$

c  $\frac{3}{8}, \frac{4}{7}, \frac{4}{5}, \frac{2}{3}, \frac{7}{10}$

d  $\frac{9}{10}, \frac{5}{8}, \frac{2}{5}, \frac{2}{3}, \frac{5}{6}$

e  $\frac{3}{11}, \frac{5}{7}, \frac{3}{4}, \frac{7}{8}, \frac{2}{3}$

f  $\frac{7}{5}, \frac{13}{4}, \frac{8}{3}, \frac{13}{7}, \frac{11}{2}$