1 Circle the largest fraction in each of the following lists.

a $\frac{3}{7}, \frac{2}{7}, \frac{5}{7}, \frac{1}{7}$

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

c $\frac{5}{11}, \frac{9}{11}, \frac{3}{11}, \frac{4}{11}$

d $\frac{8}{5}, \frac{4}{5}, \frac{6}{5}, \frac{7}{5}$

2 State the lowest common multiple of the following sets of numbers.

a 2, 5 **b** 3, 7 **c** 5, 4 **d** 6, 5

e 3, 6 **f** 2, 10 **g** 4, 6 **h** 8, 6

i 2, 3, 5 **j** 3, 4, 6 **k** 3, 8, 4 **l** 2, 6, 5

3 State the lowest common denominator of the following sets of fractions.

a $\frac{1}{3}, \frac{3}{5}$ **b** $\frac{2}{4}, \frac{3}{5}$ **c** $\frac{4}{7}, \frac{2}{3}$ **d** $\frac{2}{10}, \frac{1}{5}$

e $\frac{4}{6}, \frac{3}{8}$ **f** $\frac{5}{12}, \frac{2}{5}$ **g** $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}$ **h** $\frac{4}{3}, \frac{3}{4}$

4 Fill in the gaps to produce equivalent fractions.

a $\frac{2}{5} = \frac{\square}{15}$ **b** $\frac{2}{3} = \frac{\square}{12}$ **c** $\frac{1}{4} = \frac{\square}{16}$

d $\frac{3}{7} = \frac{\square}{14}$ **e** $\frac{3}{8} = \frac{\square}{40}$ **f** $\frac{5}{6} = \frac{\square}{18}$

5 Place the correct mathematical symbol (i.e. $<$, $=$ or $>$) in between the following pairs of fractions to make true mathematical statements.

a $\frac{3}{5} \square \frac{1}{5}$ **b** $\frac{7}{9} \square \frac{2}{9}$ **c** $\frac{2}{2} \square \frac{3}{3}$ **d** $\frac{13}{18} \square \frac{17}{18}$

e $\frac{1}{4} \square \frac{1}{3}$ **f** $\frac{1}{10} \square \frac{1}{20}$ **g** $\frac{1}{7} \square \frac{1}{5}$ **h** $\frac{3}{5} \square \frac{18}{30}$

5 Place the correct mathematical symbol (i.e. $<$, $=$ or $>$) in between the following pairs of fractions to make true mathematical statements.

i $\frac{2}{3} \square \frac{1}{3}$ **j** $\frac{4}{5} \square \frac{3}{4}$ **k** $\frac{5}{6} \square \frac{9}{10}$ **l** $\frac{5}{7} \square \frac{15}{21}$

m $\frac{7}{11} \square \frac{3}{5}$ **n** $1\frac{2}{3} \square 1\frac{1}{2}$ **o** $3\frac{3}{7} \square \frac{15}{4}$ **p** $\frac{12}{5} \square \frac{19}{8}$

q $-\frac{1}{4} \square -\frac{1}{2}$ **r** $-\frac{2}{3} \square -\frac{3}{4}$ **s** $-\frac{2}{5} \square -\frac{5}{8}$ **t** $-\frac{3}{4} \square -\frac{3}{5}$

7 Use a number line to place the following fractions in ascending order.

a $-\frac{5}{4}, -2\frac{1}{2}, -\frac{3}{2}$ **b** $-\frac{1}{4}, -\frac{1}{6}, -\frac{1}{3}$

11 Rewrite the fractions in each set with their lowest common denominator and then write the next two fractions that would continue the pattern.

a $\frac{2}{9}, \frac{1}{3}, \frac{4}{9}, \_\_\_, \_\_\_$ **b** $\frac{1}{2}, \frac{5}{4}, 2, \_\_\_, \_\_\_$

c $\frac{11}{6}, \frac{3}{2}, \frac{7}{6}, \_\_\_, \_\_\_$ **d** $\frac{1}{2}, \frac{4}{7}, \frac{9}{14}, \_\_\_, \_\_\_$