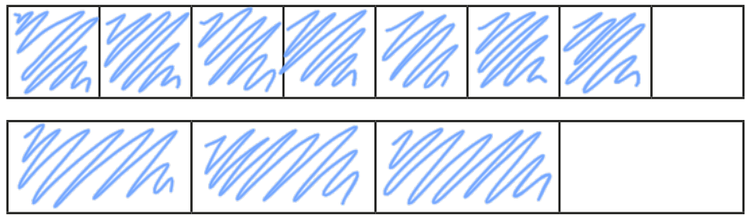
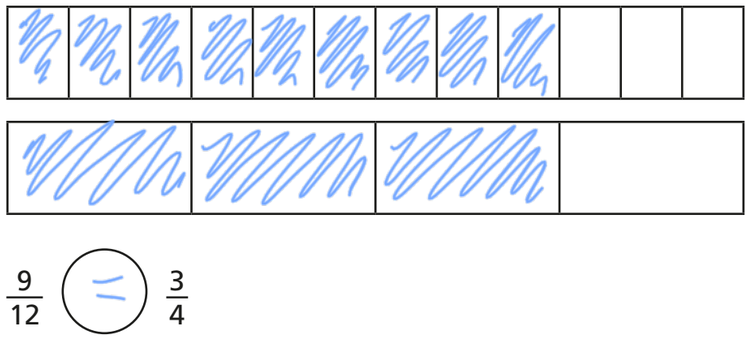
Compare and order fractions less than 1

1 Write <, > or = to compare the fractions.

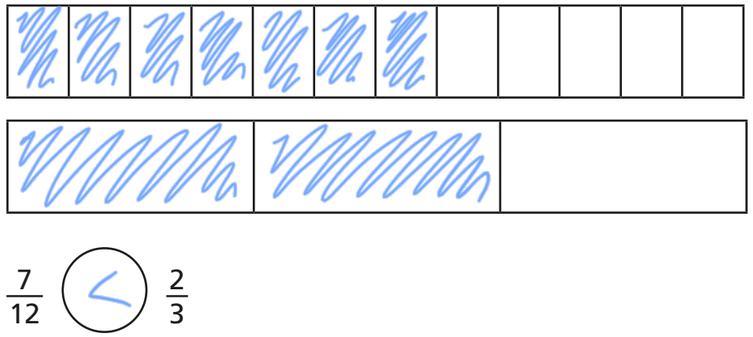
Use the bar models to help you.



$\frac{7}{8}$ > $\frac{3}{4}$



$\frac{9}{12}$ = $\frac{3}{4}$



$\frac{7}{12}$ < $\frac{2}{3}$

2 Write <, > or = to compare the fractions.

a) $\frac{1}{5}$ < $\frac{4}{15}$

b) $\frac{2}{5}$ > $\frac{4}{15}$

c) $\frac{2}{5}$ = $\frac{6}{15}$

d) $\frac{2}{3}$ > $\frac{6}{15}$

e) $\frac{2}{3}$ > $\frac{6}{12}$

f) $\frac{2}{3}$ = $\frac{6}{9}$

g) $\frac{2}{9}$ < $\frac{1}{3}$

h) $\frac{4}{9}$ > $\frac{1}{3}$

i) $\frac{4}{12}$ = $\frac{1}{3}$

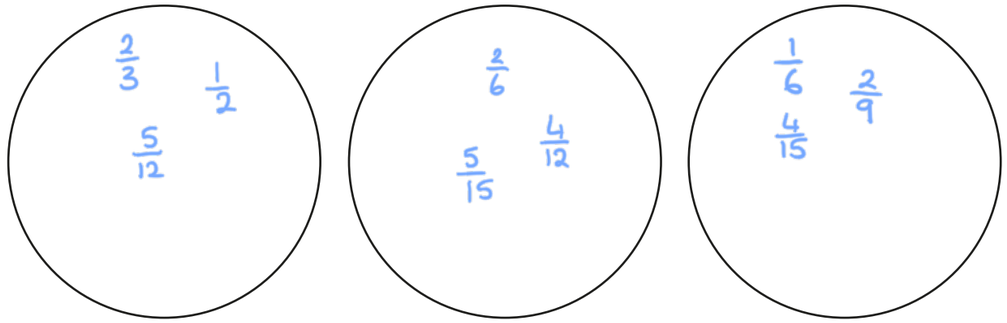
j) $\frac{8}{12}$ = $\frac{2}{3}$

k) $\frac{8}{12}$ < $\frac{3}{3}$

l) $\frac{8}{12}$ < $\frac{3}{4}$

3 Sort the fractions into the circles.

greater than $\frac{1}{3}$ | equal to $\frac{1}{3}$ | less than $\frac{1}{3}$



$\frac{2}{3}$	$\frac{1}{6}$	$\frac{1}{2}$	$\frac{2}{6}$	$\frac{2}{9}$	$\frac{5}{12}$	$\frac{4}{12}$	$\frac{4}{15}$	$\frac{5}{15}$

4 What could the missing numerators and denominators be?

Write a number in each box to make the statements correct.

e.g. $\frac{\boxed{1}}{5} < \frac{5}{15}$

a) $\frac{\boxed{1}}{5} < \frac{5}{15}$

b) $\frac{\boxed{2}}{6} < \frac{5}{12}$

c) $\frac{\boxed{5}}{12} < \frac{5}{6}$

d) $\frac{\boxed{1}}{3} < \frac{5}{6}$

e) $\frac{3}{5} < \frac{5}{\boxed{5}}$

f) $\frac{5}{6} < \frac{5}{\boxed{5}}$

g) $\frac{6}{9} < \frac{5}{\boxed{6}}$

h) $\frac{10}{12} < \frac{5}{\boxed{4}}$

i) $\frac{23}{24} < \frac{5}{\boxed{5}}$

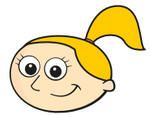
Compare answers with a partner.

5 Tommy and Eva are comparing fractions.

$\frac{2}{3}$ $\frac{8}{12}$ $\frac{4}{9}$

I found a common denominator of 36 to compare the fractions.

Tommy



I found a common numerator of 4 to compare the fractions.

Eva

Whose method is more efficient? Various

Talk about your answer with a partner.

6 Write the fractions in ascending order.

a) $\frac{2}{5}, \frac{2}{7}, \frac{2}{3}, \frac{2}{4}, \frac{2}{10}$

$\frac{2}{10}$ $\frac{2}{7}$ $\frac{2}{5}$ $\frac{2}{4}$ $\frac{2}{3}$

b) $\frac{2}{3}, \frac{5}{9}, \frac{1}{9}, \frac{5}{6}, \frac{2}{9}$

$\frac{1}{9}$ $\frac{2}{9}$ $\frac{5}{9}$ $\frac{2}{3}$ $\frac{5}{6}$

c) $\frac{3}{5}, \frac{7}{10}, \frac{1}{2}, \frac{3}{10}, \frac{1}{5}$

$\frac{1}{5}$ $\frac{3}{10}$ $\frac{1}{2}$ $\frac{3}{5}$ $\frac{7}{10}$

d) $\frac{3}{8}, \frac{6}{17}, \frac{12}{30}, \frac{2}{7}, \frac{1}{3}$

$\frac{2}{7}$ $\frac{1}{3}$ $\frac{6}{17}$ $\frac{3}{8}$ $\frac{12}{30}$

7 What could the missing numerator be?

$\frac{3}{5} < \frac{\square}{15} < \frac{9}{10}$

Write all four possibilities.

$\frac{10}{15}$ $\frac{11}{15}$ $\frac{12}{15}$ $\frac{13}{15}$