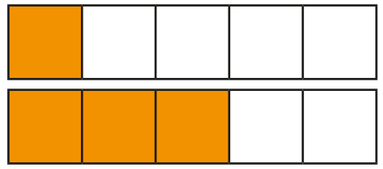
Compare and order (denominator)

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

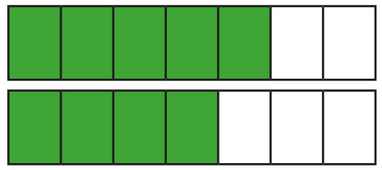
Use the bar models to help you.

a)



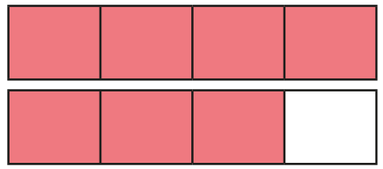
$\frac{1}{5}$ < $\frac{3}{5}$

b)



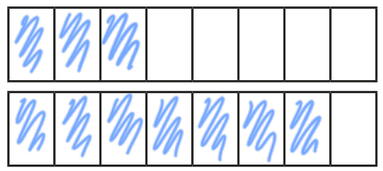
$\frac{5}{7}$ > $\frac{4}{7}$

c)



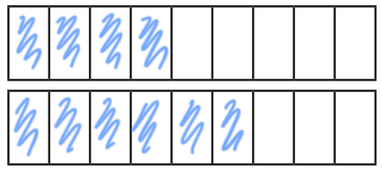
$\frac{4}{4}$ > $\frac{3}{4}$

d)



$\frac{3}{8}$ < $\frac{7}{8}$

e)



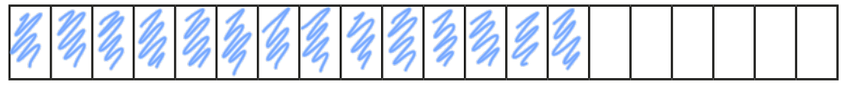
$\frac{4}{9}$ < $\frac{6}{9}$

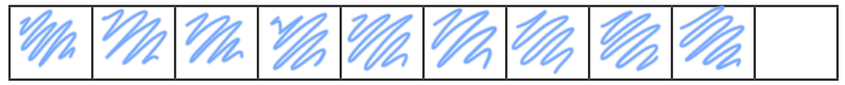
f) What do you notice about your answers?

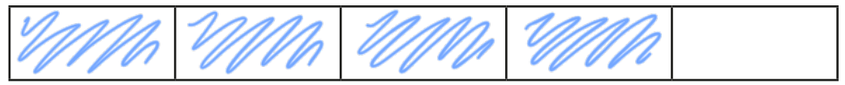
g) Complete the sentence.

When the denominators are the same, the greater the numerator, the greater (or smaller / smaller) the fraction.

2 **a)** Colour the bar models to show the fractions.

$\frac{14}{20}$ 

$\frac{9}{10}$ 

$\frac{4}{5}$ 

$\frac{3}{4}$ 

b) Use the bar models to sort these fractions in order from greatest to smallest.

$\frac{14}{20}$	$\frac{9}{10}$	$\frac{4}{5}$	$\frac{3}{4}$
$\frac{9}{10}$	$\frac{4}{5}$	$\frac{3}{4}$	$\frac{14}{20}$

greatest ... smallest

c) Order the fractions from smallest to greatest.

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

smallest ... greatest

3 Amir is comparing the fractions $\frac{4}{15}$ and $\frac{3}{10}$

$\frac{4}{15} = \frac{8}{30}$ $\frac{3}{10} = \frac{9}{30}$

$\frac{9}{30}$ is greater than $\frac{8}{30}$

$\frac{3}{10}$ is greater than $\frac{4}{15}$

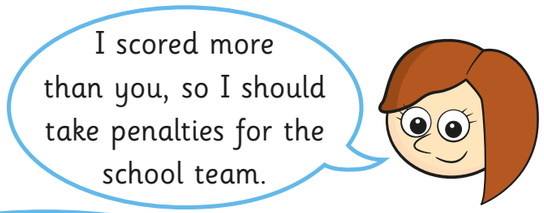
Explain Amir's method.

Amir used equivalent fractions to find a common denominator and then compared the numerators.

4 Ron and Rosie are practising penalties.

Ron scored 7 out of 10.

Rosie scored 23 out of 30



Compare fractions to explain who should take penalties for the school team.

$\frac{7}{10} = \frac{21}{30}$ $\frac{23}{30} > \frac{21}{30}$ Rosie should take penalties for the school team.

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

a) $\frac{3}{4} < \frac{5}{6}$

b) $\frac{2}{3} > \frac{5}{9}$

c) $\frac{2}{3} < \frac{7}{8}$

d) $\frac{3}{5} < \frac{5}{7}$

e) $\frac{9}{10} > \frac{3}{4}$

f) $\frac{9}{10} < \frac{19}{20}$

6 Annie, Tommy and Kim are making flags for the school fair.

Annie has completed $3\frac{3}{4}$ flags, Tommy has completed $3\frac{2}{3}$ flags and Kim has completed $\frac{18}{5}$ flags.

Who has completed the most flags?

$\frac{18}{5} = 3\frac{3}{5}$ $\frac{3}{4} > \frac{2}{3} > \frac{3}{5}$

Annie has completed the most flags