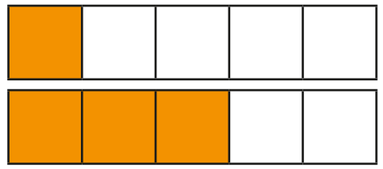
Compare and order (denominator)

White Rose MATHS

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

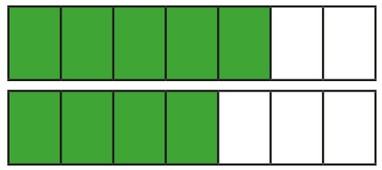
Use the bar models to help you.

a)



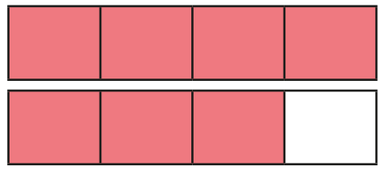
$\frac{1}{5}$ ◯ $\frac{3}{5}$

b)



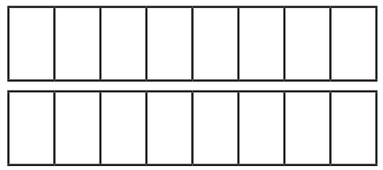
$\frac{5}{7}$ ◯ $\frac{4}{7}$

c)



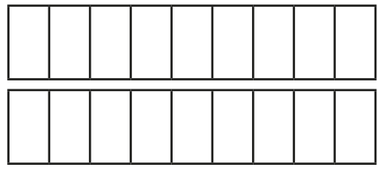
$\frac{4}{4}$ ◯ $\frac{3}{4}$

d)



$\frac{3}{8}$ ◯ $\frac{7}{8}$

e)



$\frac{4}{9}$ ◯ $\frac{6}{9}$

f) What do you notice about your answers?

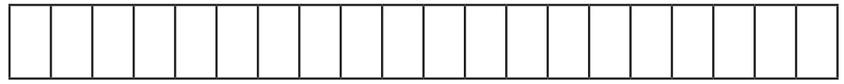
g) Complete the sentence.

When the denominators are the same, the _____

the numerator, the _____ the fraction.

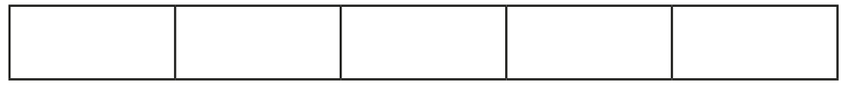
2 **a)** Shade the bar models to show the fractions.

$\frac{14}{20}$



$\frac{9}{10}$

$\frac{4}{5}$



$\frac{3}{4}$

b) Use the bar models to help you order the fractions from greatest to smallest.

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

greatest **smallest**

c) Order the fractions from smallest to greatest.

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

smallest **greatest**

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

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

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

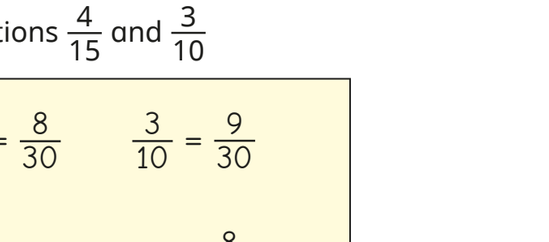
$\frac{3}{10}$ is greater than $\frac{4}{15}$

Explain Amir's method.

4 Ron and Rosie are practising penalties.

Ron scores 7 out of 10

Rosie scores 23 out of 30



Compare fractions to explain who 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.
- Kim has completed $\frac{18}{5}$ flags.

Who has completed the most flags?