1 Write <, > or = to compare the fractions.
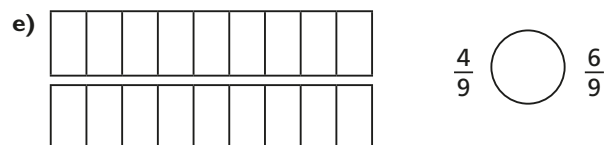
Use the bar models to help you.

a)

$\dfrac{1}{5} \bigcirc \dfrac{3}{5}$

b)

$\dfrac{5}{7} \bigcirc \dfrac{4}{7}$

c)

$\dfrac{4}{4} \bigcirc \dfrac{3}{4}$

d)

$\dfrac{3}{8} \bigcirc \dfrac{7}{8}$

e)

$\dfrac{4}{9} \bigcirc \dfrac{6}{9}$
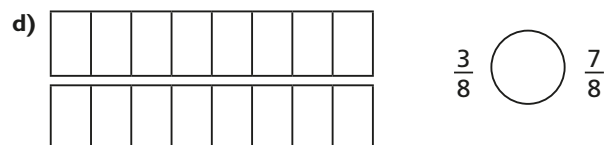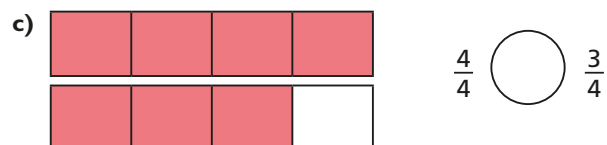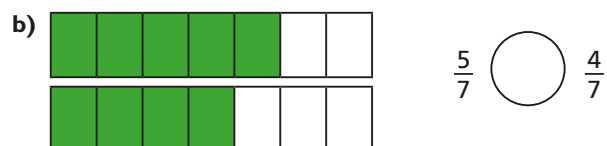
f) What do you notice about your answers?

g) Complete the sentence.

When the denominators are the same, the _____

the numerator, the _____ the fraction.

2 **a)** Represent each fraction on a bar model.

$\dfrac{14}{20}$ $\qquad$ $\dfrac{9}{10}$ $\qquad$ $\dfrac{4}{5}$ $\qquad$ $\dfrac{3}{4}$

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

$\dfrac{14}{20}$ $\qquad$ $\dfrac{9}{10}$ $\qquad$ $\dfrac{4}{5}$ $\qquad$ $\dfrac{3}{4}$

c) Order the fractions from smallest to greatest.

$\dfrac{7}{10}$ $\qquad$ $\dfrac{1}{2}$ $\qquad$ $\dfrac{2}{5}$ $\qquad$ $\dfrac{3}{10}$

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

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

$$\dfrac{9}{30} \text{ is greater than } \dfrac{8}{30}$$

$$\dfrac{3}{10} \text{ is greater than } \dfrac{4}{15}$$

Explain Amir's method.

2 a) Represent each fraction on a bar model.

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

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

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

c) Order the fractions from smallest to greatest.

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

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

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

$\frac{9}{30}$ 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 scored 7 out of 10.

Rosie scored 23 out of 30

I scored more than you, so I should take penalties for the school team.

I did not miss as many as you, so I should take the penalties.

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

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

a) $\frac{3}{4}$ ◯ $\frac{5}{6}$ **d)** $\frac{3}{5}$ ◯ $\frac{5}{7}$

b) $\frac{2}{3}$ ◯ $\frac{5}{9}$ **e)** $\frac{9}{10}$ ◯ $\frac{3}{4}$

c) $\frac{2}{3}$ ◯ $\frac{7}{8}$ **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?