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

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

| $\frac{14}{20}$ | $\frac{9}{10}$ | $\frac{4}{5}$ | $\frac{3}{4}$ |
| :--- | :---: | :---: | :---: |
| $\frac{9}{10}$ <br> c) <br> Order the fractions from smallest to greatest. <br> $\frac{4}{5}$ <br> 10 <br> $\frac{3}{10}$ | $\frac{1}{2}$ | $\frac{3}{2}$ | smallest |
| smallest | $\frac{2}{5}$ | $\frac{2}{5}$ | $\frac{3}{10}$ |

f) What do you notice about your answers?

## g) Complete the sentence.

When the denominators are the same, the greater the numerator, the greater the fraction. (or smaller/ $\begin{array}{r}\text { smaller) }\end{array}$
(3) Amir is comparing the fractions $\frac{4}{15}$ and $\frac{3}{10}$

$$
\begin{aligned}
& \frac{4}{15}=\frac{8}{30} \quad \frac{3}{10}=\frac{9}{30} \\
& \frac{9}{30} \text { is greater than } \frac{8}{30} \\
& \frac{3}{10} \text { is greater than } \frac{4}{15}
\end{aligned}
$$

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


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. 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?

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

6 Annie, Tommy and Kim are making flags for the school fair.
f) $\frac{9}{10}<\frac{19}{20}$
a) $\frac{3}{4} \longleftarrow \frac{5}{6}$
d) $\frac{3}{5} \longleftrightarrow \frac{5}{7}$
b) $\frac{2}{3}>\frac{5}{9}$
e) $\frac{9}{10}>\frac{3}{4}$
c) $\frac{2}{3}<\frac{7}{8}$

Annie has completed the most flags

## Compare and order (numerator)

(1) Use strips of paper to represent the fractions and complete the sentences.
a)

$$
\frac{1}{3}, \frac{1}{5} \text { and } \frac{1}{6}
$$

The smallest fraction is $\frac{1}{6}$ The greatest fraction is $\frac{1}{3}$
b)

$$
\frac{2}{3}, \frac{2}{5} \text { and } \frac{2}{6}
$$

The smallest fraction is $\frac{2}{6}$

c)

$$
\frac{3}{3}, \frac{3}{5} \text { and } \frac{3}{6}
$$

The smallest fraction is $\frac{3}{6}$
The greatest fraction is $\frac{3}{3}$
d) What do you notice about your answers?
e) Complete the sentence.

When the numerators are the same, the greater the denominator, the smaller
$\qquad$ the fraction. (or smaller/
(2) a) Colour the bar models to compare $\frac{3}{4}$ and $\frac{6}{10}$

b) Write $<,>$ or $=$ to complete the statement.
$\frac{3}{4}>\frac{6}{10}$ or $\frac{6}{10}<\frac{3}{4}$
(3) Which is the greatest fraction? Circle your answer.
$\frac{3}{100} \quad \frac{3}{1,000} \quad \frac{3}{50}$

How do you know?

4 Write < or > to compare the fractions.
a) $\frac{1}{7}>\frac{1}{9}$
d) $\frac{11}{12}<\frac{11}{11}$
b)

e) $\frac{19}{5}>\frac{19}{6}$
c) $\frac{3}{13}<\frac{3}{8}$
f) $\frac{107}{53}<\frac{107}{40}$
(5) Explain how can you compare $\frac{2}{3}$ and $\frac{4}{5}$ using the same numerator rule.


Complete the sentence to compare $\frac{2}{3}$ and $\frac{4}{5}$
$\frac{4}{5}$ is greater than $\frac{2}{3}$

6 Scott scored 20 out of 24 in a game.
Dani scored 5 out of 7
Compare their scores.
Explain who you think did best and why
Dani: $\frac{5}{7}$

7 Write $<,>$ or $=$ to complete each statement.
a) $\frac{2}{5}<1 \frac{1}{3}$
b) $\frac{2}{5}<\frac{6}{11}$
c) $3 \frac{2}{3} \longrightarrow \frac{11}{4}$

$1 \frac{2}{5}<3 \frac{6}{11}$
$11 \frac{2}{9}<\frac{101}{3}$
$1 \frac{2}{5} \longrightarrow 1 \frac{1}{3}$
$3 \frac{2}{5}<3 \frac{6}{11}$
$11 \frac{1}{9}<\frac{100}{8}$
$\frac{12}{5}<\frac{12}{3}$
$\frac{12}{5}<\frac{36}{11}$
$27 \frac{3}{4} \longleftarrow \frac{111}{3}$

8 Explain how you know when it is best to compare the numerators or denominators of two fractions.

When the loweot common multiple of eithel the numerators or denominoters is eapies to find

