(2) a) Use a fraction wall to explain why $\frac{7}{10}$ does not simplify. It is abready in its simpleot form.
b) Find three more fractions on the fraction wall that cannot be simplified.
e.g. $\frac{2}{3}$
$\frac{3}{7}$

(3) Mo, Eva and Ron are trying to simplify $\frac{5}{20}$


Do you fully agree, partly agree or completely disagree with each person?
Talk to a partner.
a) Draw lines on the bar model to show that $\frac{9}{12}$ is equal to $\frac{3}{4}$

b) Complete each bar model and calculation.

$\frac{1}{3}=\frac{3}{9}$


$$
\frac{1}{3}=\frac{5}{15}
$$

(5)

Simplify the fractions
a) $\frac{4}{12}=\frac{1}{3}$
b) $\frac{8}{12}=\frac{2}{3}$
c) $\frac{40}{120}=\frac{1}{3}$
d) $\frac{12}{4}=3$

$$
\begin{aligned}
& \frac{4}{16}=\frac{1}{4} \\
& \frac{4}{20}=\frac{1}{5}
\end{aligned}
$$

$$
\frac{8}{16}=\frac{1}{2}
$$

$$
\frac{40}{160}=\frac{1}{4}
$$

$$
\frac{8}{20}=\frac{2}{5}
$$

$$
\frac{40}{200}=\frac{1}{5}
$$

$$
\begin{aligned}
& \frac{120}{4}=30 \\
& \frac{12}{400}=\frac{3}{100}
\end{aligned}
$$

Describe and explain any patterns that you noticed.

[^0](6) Write 3 fractions that simplify to $\frac{3}{5}$
e.g $\square$
$\frac{9}{15}$
(7) Teddy and Dora are both simplifying $\frac{30}{42}$

a) How do you think Dora was able to simplify the fraction in one step?
b) Simplify these fractions in one step.
\[

$$
\begin{array}{ll}
\frac{24}{30}=\frac{4}{5} & \frac{16}{20}=\frac{4}{5} \\
\frac{56}{64}=\frac{7}{8} & \frac{99}{121}=\frac{9}{11}
\end{array}
$$
\]

(8) $\frac{\sim}{\square}$ is a prime number.
is a multiple of 10
The fraction can be simplified.
What could each number be? Explain your reasoning.
E.g. 2 is prime, 20 is a multiple of 10
$\qquad$
so star could be 2 and heart could be 20
$\qquad$


[^0]:    Various answers

