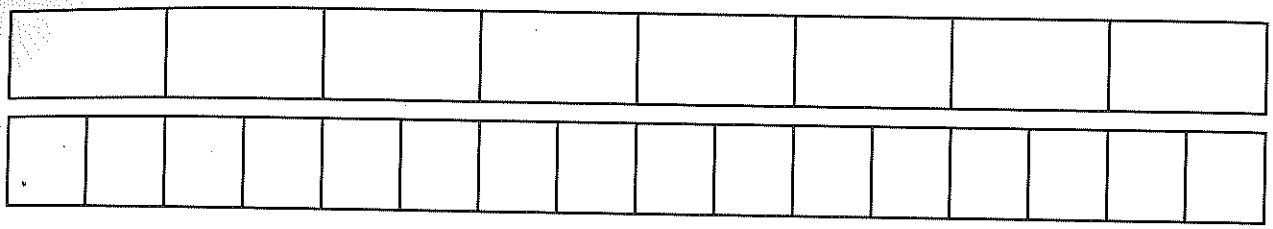
→ Textbook 3C p16

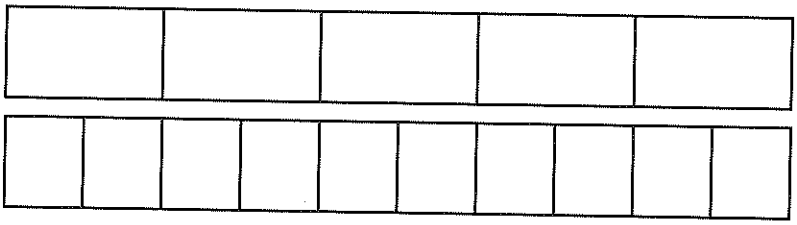
Equivalent fractions 3

1 Use the bars and number lines to find the missing numerators.

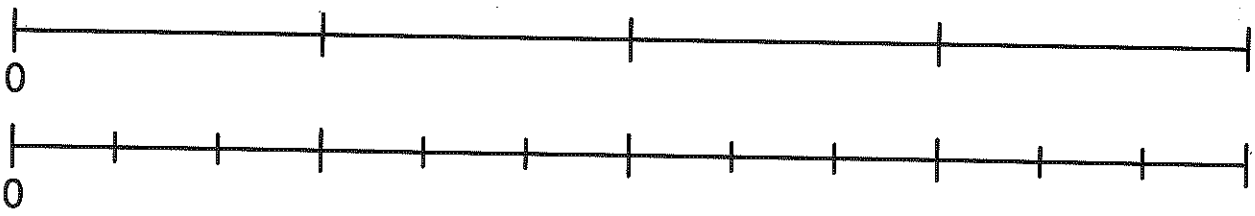
a) $\frac{1}{8} = \frac{\square}{16}$



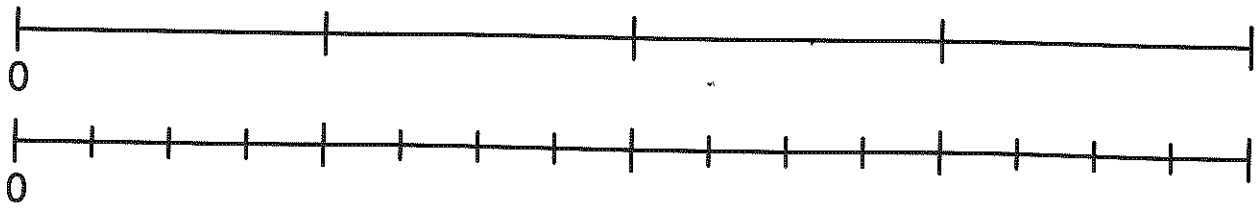
b) $\frac{4}{5} = \frac{\square}{10}$



c) $\frac{3}{4} = \frac{\square}{12}$



d) $\frac{\square}{4} = \frac{12}{16}$



2 a) Explain why $\frac{2}{3} = \frac{8}{12}$.

b) Explain why $\frac{2}{5}$ is not equal to $\frac{4}{15}$.

3 Complete the missing numbers. Draw lines to join up any equivalent fractions.

a) $\frac{6}{10} = \frac{\square}{20}$

b) $\frac{3}{4} = \frac{\square}{16}$

c) $\frac{8}{12} = \frac{\square}{6}$

d) $\frac{\square}{8} = \frac{1}{2}$

e) $\frac{5}{11} = \frac{30}{\square}$

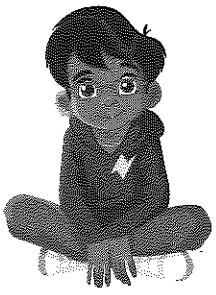
f) $\frac{5}{\square} = \frac{1}{3}$

g) $\frac{\square}{32} = \frac{1}{8}$

h) $\frac{\square}{36} = \frac{3}{9}$

i) $\frac{5}{7} = \frac{\square}{28}$

I wonder if I should multiply or divide to find the missing numbers.



4 Complete the calculation.

$\frac{3}{4} = \frac{\bigcirc}{\triangle}$

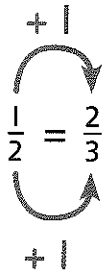
The $\triangle$ is a number between 35 and 45.

What pairs of numbers could the $\bigcirc$ and $\triangle$ be?

5 Emma thinks that $\frac{1}{2}$ is equivalent to $\frac{2}{3}$.

This is how she worked out her answer.

Do you agree with Emma? Explain how you know.



CHALLENGE

Reflect

Explain why $\frac{4}{10}$ is equivalent to $\frac{2}{5}$.