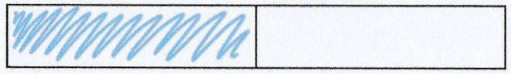
Equivalent fractions (1)

White Rose Maths

1 Shade the bar models to represent the fractions.

a) Shade $\frac{1}{2}$ of the bar model.



b) Shade $\frac{2}{4}$ of the bar model.

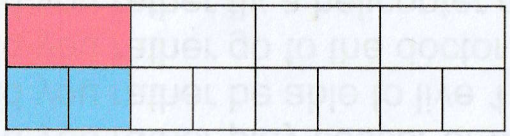
What do you notice?

2 Complete the equivalent fractions.

a)

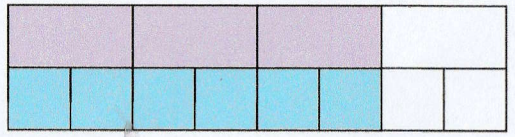
$\frac{1}{2} = \frac{\boxed{4}}{8}$

b)



$\frac{1}{4} = \frac{2}{\boxed{8}}$

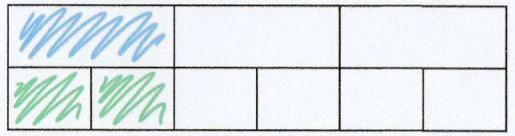
c)



$\frac{3}{4} = \frac{6}{\boxed{8}}$

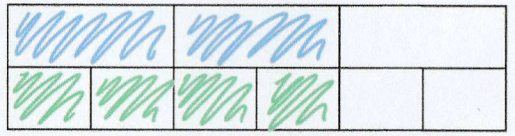
3 Shade the bar models to represent the equivalent fractions.

a)



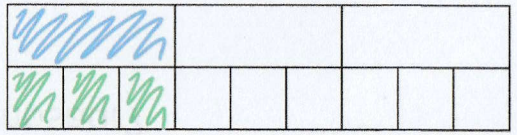
$\frac{1}{3} = \frac{2}{6}$

b)



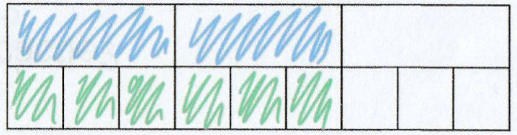
$\frac{2}{3} = \frac{4}{6}$

c)



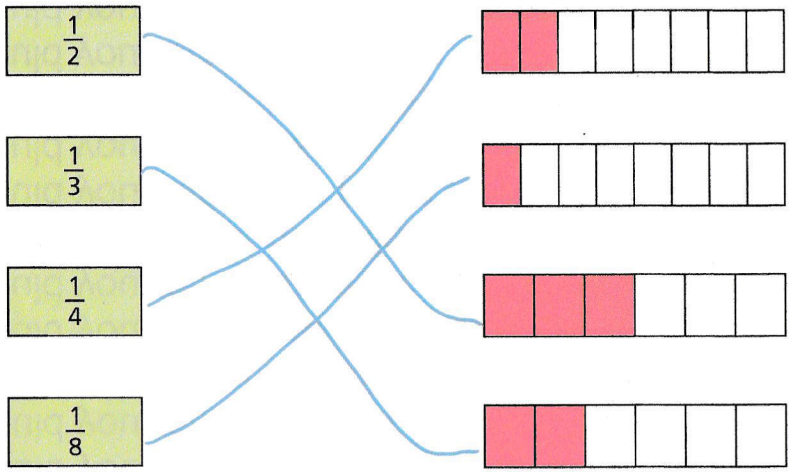
$\frac{1}{3} = \frac{3}{9}$

d)



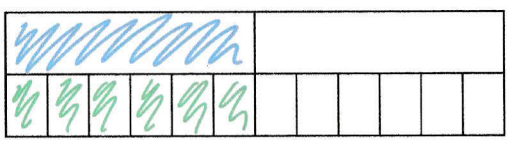
$\frac{2}{3} = \frac{6}{9}$

4 Match each bar model to its equivalent fraction.



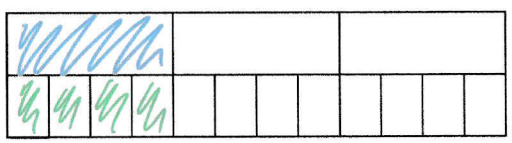
5 Shade the bar models to complete the equivalent fractions.

a)



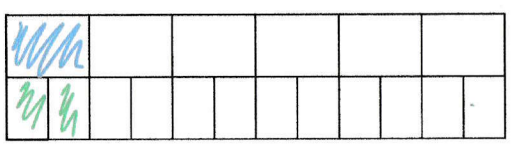
$\frac{1}{2} = \frac{6}{12}$

b)



$\frac{1}{3} = \frac{4}{12}$

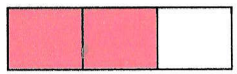
c)



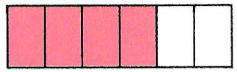
$\frac{1}{6} = \frac{2}{12}$

*** Challenge

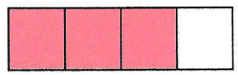
6 The bar models represent fractions.



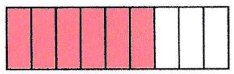
A



C



B



D

Which is the odd one out? B

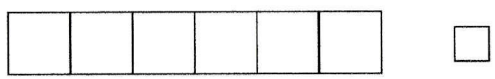
Why do you think this?

*** Challenge

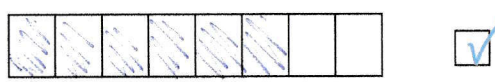
7 This bar model represents $\frac{3}{4}$

Tick the bar models that can be used to show a fraction that is equivalent to $\frac{3}{4}$

Shade the bar models to support your answers.



$\frac{6}{8}$



$\frac{9}{12}$