8.2.22

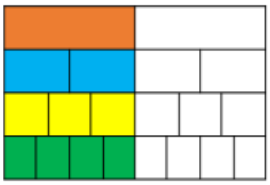
LO – I understand how to work out equivalent fractions.

1.

Use two strips of equal sized paper.
Fold one strip into quarters and the other into eighths.
Place the quarters on top of the eighths and lift up one quarter;
how many eighths can you see?
How many eighths are equivalent to one quarter?
Which other equivalent fractions can you find?

2.

How many fractions that are equivalent to one half can you see on the fraction wall?



Draw extra rows to show other equivalent fractions.

3.

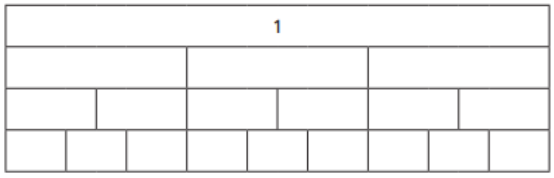
Eva says,

I know that $\frac{3}{4}$ is equivalent to $\frac{3}{8}$ because the numerators are the same.

Is Eva correct?
Explain why.

4.

a) Label the fractions on the fraction wall.

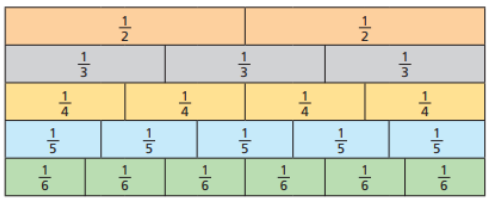


b) Use the fraction wall to complete the equivalent fractions.

$\frac{1}{3} = \frac{\square}{6} = \frac{3}{\square}$ $\quad\quad$ $\frac{\square}{3} = \frac{4}{\square} = \frac{6}{9}$

$\frac{3}{\square} = \frac{6}{\square} = \frac{9}{\square} = 1$

5. Here is a fraction wall.



Is each statement true or false?

a) $\frac{1}{2}$ is equivalent to $\frac{3}{6}$

b) $\frac{2}{3}$ is equivalent to $\frac{3}{4}$

c) $\frac{2}{4}$ is equivalent to $\frac{3}{6}$

d) $\frac{2}{3}$ is equivalent to $\frac{4}{5}$

e) $\frac{2}{3}$ is equivalent to $\frac{4}{6}$

f) $\frac{3}{5}$ is equivalent to $\frac{4}{6}$

Write your own equivalent fractions statements.

Ask a partner to say if they are true or false.