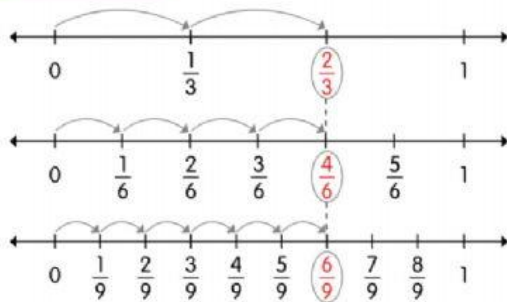
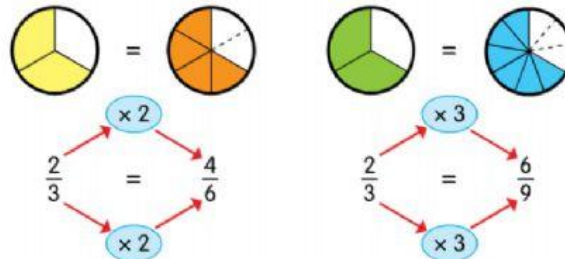


We can also represent equivalent fractions using other methods... For example, Number lines, multiplication and division (simplifying).

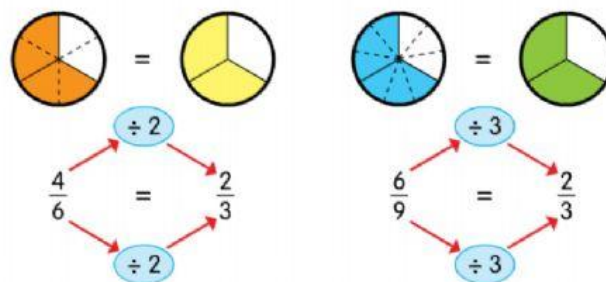
**Number lines** can be used to show fractions.



We can **multiply** the numerator and the denominator by the same number to find an equivalent fraction.



We can also find equivalent fractions by **simplifying** fractions.



$\frac{2}{3}$  cannot be further simplified.

So,  $\frac{2}{3}$  is the simplest form of  $\frac{4}{6}$  and  $\frac{6}{9}$ .

We simplify fractions by dividing the numerator and the denominator by the same number.

## EXERCISES

Find the next 8 equivalent fractions of the following fractions.

(a)  $\frac{1}{2} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

(b)  $\frac{1}{3} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

Write each fraction in its simplest form.

(a)  $\frac{5}{10} = \frac{\square}{\square}$  (b)  $\frac{8}{10} = \frac{\square}{\square}$  (c)  $\frac{4}{12} = \frac{\square}{\square}$

(d)  $\frac{9}{12} = \frac{\square}{\square}$  (e)  $\frac{2}{8} = \frac{\square}{\square}$  (f)  $\frac{6}{9} = \frac{\square}{\square}$