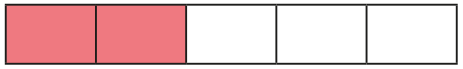
Find fractions equivalent to a non-unit fraction

1 What equivalent fractions are shown by the bar models?

a)

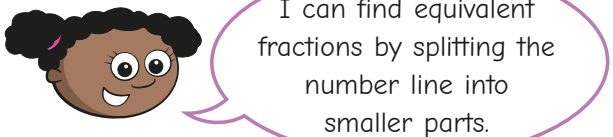
b)

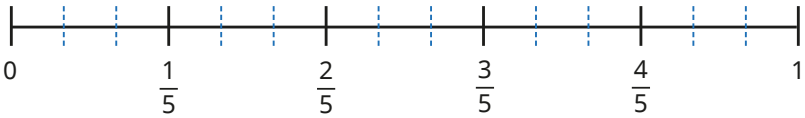


c) Draw bar models to find an equivalent fraction to $\frac{2}{3}$

d) Draw bar models to find an equivalent fraction to $\frac{4}{5}$

2 Whitney is finding equivalent fractions using a number line.





Use Whitney's number line to complete the equivalent fractions.

a) $\frac{1}{5} = \frac{\square}{15}$

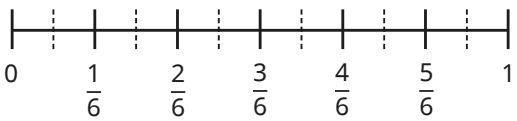
b) $\frac{2}{5} = \frac{\square}{15}$

c) $\frac{3}{5} = \frac{\square}{15}$

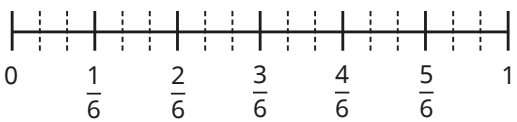
d) $\frac{4}{5} = \frac{\square}{15}$

3 Use the number lines to find fractions equivalent to $\frac{5}{6}$

a)



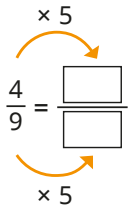
b)



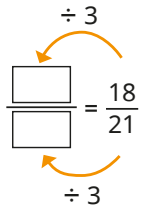
4 Find three fractions that are equivalent to $\frac{4}{7}$

5 Complete the equivalent fractions.

a)



b)



6 Complete the equivalent fractions.

a) $\frac{3}{4} = \frac{6}{\square}$

b) $\frac{4}{5} = \frac{12}{\square}$

c) $\frac{5}{8} = \frac{\square}{48}$

d) $\frac{3}{7} = \frac{\square}{49}$

e) $\frac{7}{9} = \frac{21}{\square}$

f) $\frac{2}{\square} = \frac{6}{18}$

g) $\frac{2}{\square} = \frac{6}{30}$

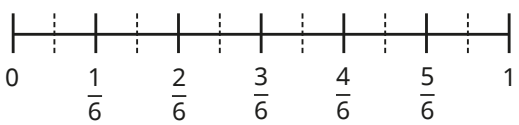
h) $\frac{7}{12} = \frac{\square}{144}$

i) $\frac{5}{\square} = \frac{500}{800}$

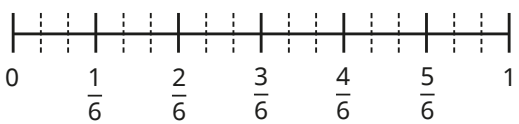
Find fractions equivalent to a non-unit fraction

3 Use the number lines to find fractions equivalent to $\frac{5}{6}$

a)



b)



4 Find three fractions that are equivalent to $\frac{4}{7}$

5 Complete the equivalent fractions.

a)

$\frac{4}{9} = \frac{\square}{\square}$ (× 5 above, × 5 below)

b)

$\frac{\square}{\square} = \frac{18}{21}$ (÷ 3 above, ÷ 3 below)

6 Complete the equivalent fractions.

a) $\frac{3}{4} = \frac{6}{\square}$

b) $\frac{4}{5} = \frac{12}{\square}$

c) $\frac{5}{8} = \frac{\square}{48}$

d) $\frac{3}{7} = \frac{\square}{49}$

e) $\frac{7}{9} = \frac{21}{\square}$

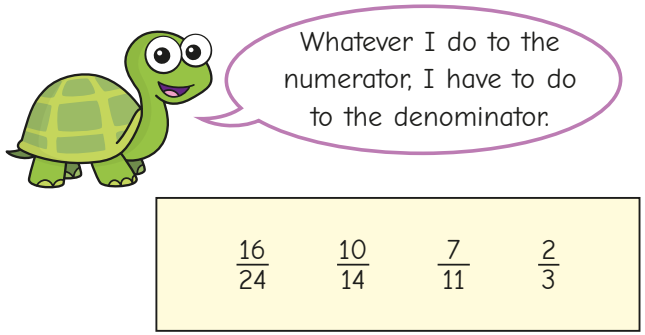
f) $\frac{2}{\square} = \frac{6}{18}$

g) $\frac{2}{\square} = \frac{6}{30}$

h) $\frac{7}{12} = \frac{\square}{144}$

i) $\frac{5}{\square} = \frac{500}{800}$

7 Tiny is using this rule to find fractions that are equivalent to $\frac{8}{12}$



Which of Tiny's fractions are equivalent to $\frac{8}{12}$?

What mistakes has Tiny made?

8 Here are some equivalent fractions.

Find the values of A, B and C.

$\frac{A}{9}$ $\frac{3}{B}$ $\frac{2}{18}$ $\frac{C}{90}$

9 Here are three fraction cards.

All the fractions are equivalent.

$\frac{3}{A}$ $\frac{B}{14}$ $\frac{12}{C}$

A + B = 13

Work out the value of C.

10 $\frac{3}{5} = \frac{9}{1 + \bigcirc}$

Find the value of ●