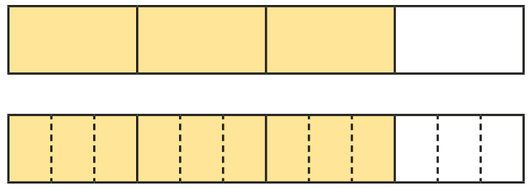
Find fractions equivalent to a non-unit fraction

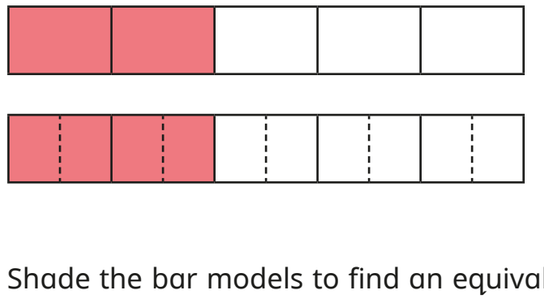
1 Use the bar models to find the equivalent fractions.

a)



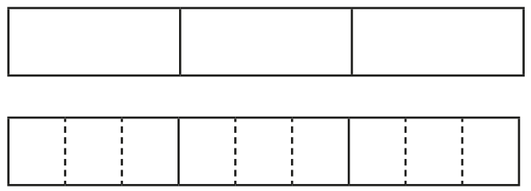
$\frac{3}{4} = \square$

b)



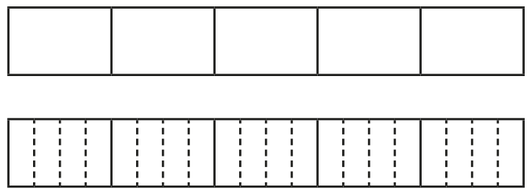
$\frac{2}{5} = \square$

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



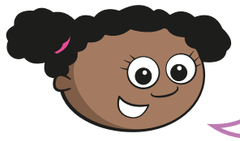
$\frac{2}{3} = \square$

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

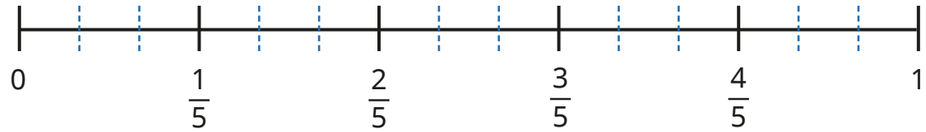


$\frac{4}{5} = \square$

2 Whitney is finding equivalent fractions using a number line.



I can find equivalent fractions by splitting the number line into smaller parts.



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

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

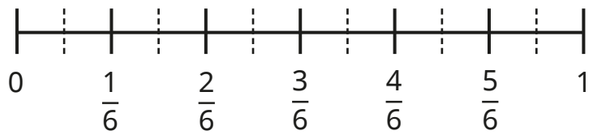
b) $\frac{2}{5} = \frac{\square}{15}$

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

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

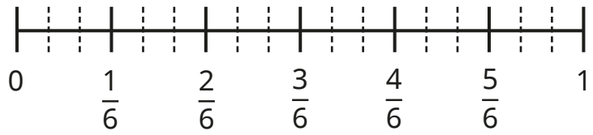
3 Use the number lines to complete the equivalent fractions.

a)



$\frac{5}{6} = \square$

b)



$\frac{5}{6} = \square$

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

$\square$ $\square$ $\square$

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

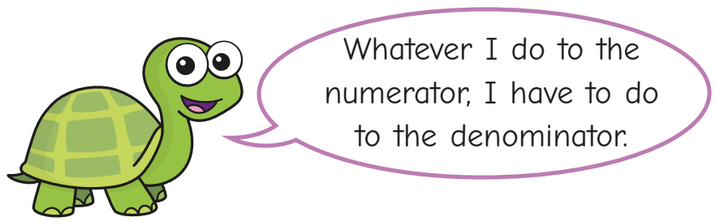
f) $\frac{2}{\square} = \frac{6}{18}$

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 $\frac{8}{12}$



$\frac{16}{24}$ $\frac{10}{14}$ $\frac{7}{11}$ $\frac{2}{3}$

Circle the fractions that 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.

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

A = ☐ B = ☐ C = ☐

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.

C = ☐

10 $\frac{3}{5} = \frac{9}{1 + ●}$

Find the value of ●

● = ☐