Find fractions equivalent to a unit fraction

1 What equivalent fractions are shown on the bar models?

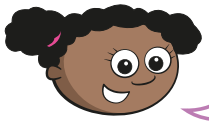
a)

b)

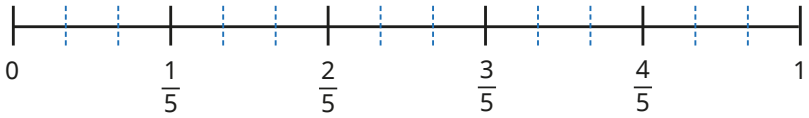
c) Draw bar models to find an equivalent fraction to $\frac{1}{3}$

d) Draw bar models to find an equivalent fraction to $\frac{1}{5}$

2 Whitney is finding equivalent fractions using a number line.



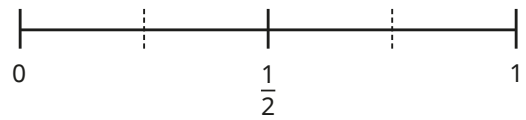
I can find equivalent fractions by splitting the number line into smaller parts.



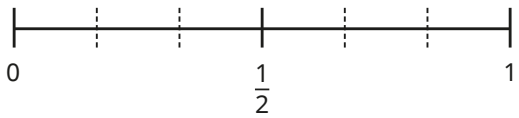
Use Whitney's number line to find a fraction equivalent to $\frac{1}{5}$

3 Use the number lines to find fractions equivalent to $\frac{1}{2}$

a)



b)

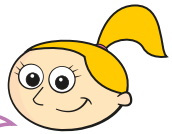


4 Find three fractions that are equivalent to $\frac{1}{3}$

5 Ron and Eva are finding equivalent fractions.

I will multiply the numerator and denominator by the same number.

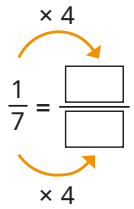
Ron

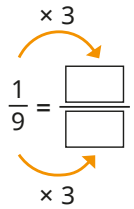


I will use the relationship between the numerator and the denominator.

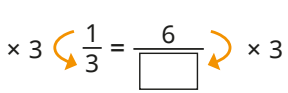
Eva

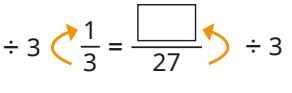
a) Use Ron's method to find the equivalent fractions.



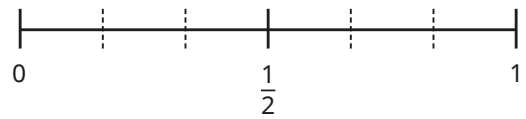


b) Use Eva's method to find the equivalent fractions.



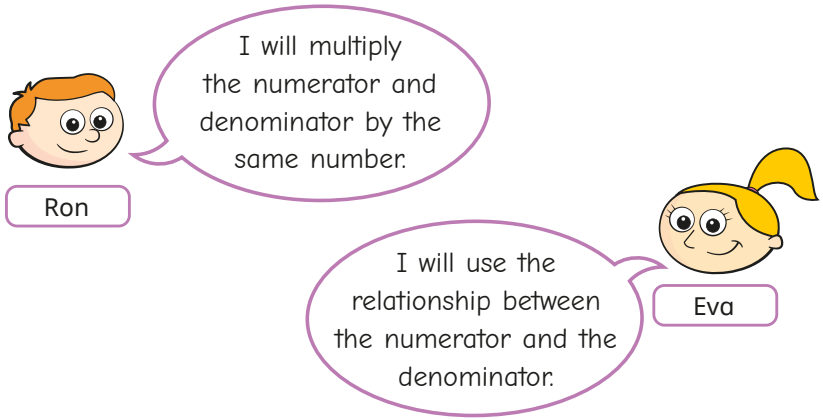


b)



4 Find three fractions that are equivalent to $\frac{1}{3}$

5 Ron and Eva are finding equivalent fractions.



a) Use Ron's method to find the equivalent fractions.

$\frac{1}{7} = \frac{\square}{\square}$ (× 4 above, × 4 below)

$\frac{1}{9} = \frac{\square}{\square}$ (× 3 above, × 3 below)

b) Use Eva's method to find the equivalent fractions.

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

÷ 3 $\frac{1}{3} = \frac{\square}{27}$ ÷ 3

6 Use your preferred method to complete the equivalent fractions.

a) $\frac{1}{4} = \frac{6}{\square}$

b) $\frac{1}{5} = \frac{5}{\square}$

c) $\frac{1}{8} = \frac{\square}{48}$

d) $\frac{1}{7} = \frac{\square}{49}$

e) $\frac{1}{9} = \frac{9}{\square}$

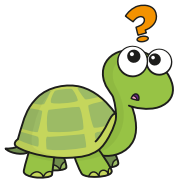
f) $\frac{1}{\square} = \frac{6}{18}$

g) $\frac{1}{\square} = \frac{4}{40}$

h) $\frac{1}{12} = \frac{\square}{144}$

i) $\frac{1}{\square} = \frac{25}{125}$

7 Tiny is trying to find an equivalent fraction.



$\frac{1}{6} = \frac{3}{8}$

What mistake has Tiny made?

8 Here are some equivalent fractions.

$\frac{1}{3} = \frac{\blacktriangle}{\blacksquare} = \frac{\bullet}{\bigstar} = \frac{\bigstar}{\heartsuit}$

Each shape represents a different number card.

2	3	6	9	18

Use the clues to find the value of each shape.

- $\blacksquare$ is half of $\heartsuit$
- $\bullet + \blacktriangle = 5$
- $\bigstar$ is double $\blacktriangle$