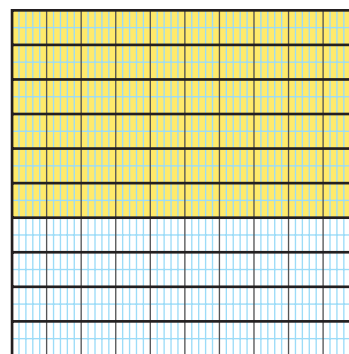
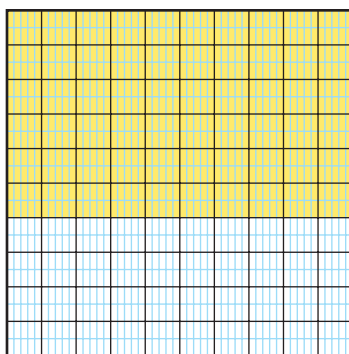


## Frequently Asked Questions

**Q:** How can you write a decimal as a fraction?

**A:** A decimal is another way to write a fraction.

For example, to write 0.600 as a fraction, you can show it on a thousandths grid. Colour 600 of the 1000 rectangles. The grid shows the fraction  $\frac{600}{1000}$  and the decimal 0.600. The grid also shows the fraction  $\frac{60}{100}$  and the decimal 0.60. If you divide the grid into tenths, you can see that 0.600 is equivalent to  $\frac{6}{10}$  and 0.6 as well.

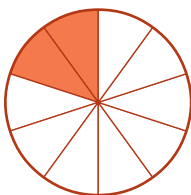


**Q:** How can you compare fractions and decimals, and arrange them in order?

**A:** You can rename the fractions as equivalent decimals.

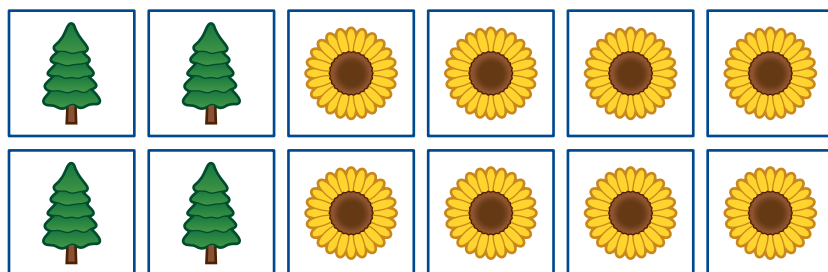
For example, to arrange 0.35,  $\frac{3}{10}$ , and 0.454 in order, rename the numbers as decimals with the same number of decimal places. 0.35 is equivalent to 0.350, and  $\frac{3}{10}$  is equivalent to 0.300. The order is 0.300, 0.350, 0.454.

# Practice



## Lesson 1

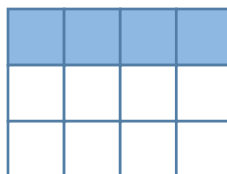
- Write two equivalent fractions to represent the part that is coloured in the circle at the left.
  - Write two equivalent fractions to represent the part that is not coloured.
- Write two different fractions to represent the portion of stickers that are flowers.



## Lesson 3

- Name an equivalent fraction for each fraction below. Explain your strategy for each.

a)  $\frac{4}{12}$



b)  $\frac{6}{8}$



- Complete each statement to create equivalent fractions. Explain your strategy for one pair of equivalent fractions.

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

c)  $\frac{2}{6} = \frac{\square}{3}$

b)  $\frac{1}{3} = \frac{\square}{12}$

d)  $\frac{2}{6} = \frac{4}{\square}$

#### Lesson 4

5. Tyler, Ken, Kayla, and Liz play on the same soccer team. Each soccer game is 60 min long. Tyler played  $\frac{1}{3}$  of a game. Ken played  $\frac{5}{6}$  of the game. Kayla played 30 min of the game. Liz played  $\frac{3}{4}$  of the game. Use a number line to compare the fractions. Who played the longest?

#### Lesson 5

6. Compare each pair of fractions using  $<$ ,  $>$ , or  $=$ .

a)  $\frac{3}{9}$   $\square$   $\frac{2}{3}$

c)  $\frac{3}{8}$   $\square$   $\frac{6}{16}$

b)  $\frac{10}{12}$   $\square$   $\frac{3}{4}$

d)  $\frac{4}{5}$   $\square$   $\frac{6}{10}$

#### Lesson 6

7. Write two equivalent decimals for each fraction.

a)  $\frac{2}{10}$

b)  $\frac{80}{100}$

c)  $\frac{600}{1000}$

d)  $\frac{65}{100}$

8. Write two fraction names for each decimal.

a) 0.4

b) 0.20

c) 0.750

d) 0.030

#### Lesson 7

9. Two years ago, 0.650 of the Grade 5 students at Summitview School played baseball. Last year,  $\frac{6}{10}$  of the Grade 5 students played baseball. This year, 0.70 of the Grade 5 students played baseball. If each year had the same number of students, which year had the greater number of baseball players? Which year had the least number of baseball players?

#### Lesson 8

10. An unknown fraction is equivalent to  $\frac{1}{4}$ . The sum of its numerator and denominator is 25. What is the fraction?



### What Do You Think Now?

Look back at **What Do You Think?** on page 219. How have your answers and explanations changed?