

Terminating and Repeating Decimals

Solve the problems.

- 1** Carla says that $\frac{5}{6}$ is greater than 0.8. Is she correct?
Show your work.

How can you write a fraction as a division problem?



Solution: _____

- 2** Which of the following are repeating decimals when written in decimal form? Select all that apply.

- A** $\frac{11}{16}$
- B** $\frac{8}{11}$
- C** $\frac{3}{9}$
- D** $\frac{9}{18}$

Can you simplify any fractions to fractions that you know are not repeating decimals?



- 3** Complete the table. Then describe a pattern in the decimal forms of the fractions.

Unit Fraction	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$
Decimal	0.5				

What happens to the value of the decimal as the denominator of the fraction increases?



