Lesson 13: Writing Division Expressions

Classwork

Example 1

Write an expression showing $1 \div 2$ without the use of the division symbol.

What can we determine from the model?

Example 2

Write an expression showing $a \div 2$ without the use of the division symbol.

What can we determine from the model?

When we write division expressions using the division symbol, we represent _____.

How would this look when we write division expressions using a fraction?

Example 3

a. Write an expression showing $a \div b$ without the use of the division symbol.

b. Write an expression for g divided by the quantity h plus 3.

c. Write an expression for the quotient of the quantity m reduced by 3 and 5.

Exercises

Write each expression two ways: using the division symbol and as a fraction.

a. 12 divided by 4

b. 3 divided by 5

c. a divided by 4

d. The quotient of 6 and m

e. Seven divided by the quantity x plus y

f. y divided by the quantity x minus 11

g. The sum of the quantity h and 3 divided by 4

h. The quotient of the quantity k minus 10 and m

Problem Set

1. Rewrite the expressions using the division symbol and as a fraction.
   a. Three divided by 4
   b. The quotient of m and 11
   c. 4 divided by the sum of h and 7
   d. The quantity x minus 3 divided by y

2. Draw a model to show that $x \div 3$ is the same as $\frac{x}{3}$.