

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 $\frac{x}{3}$.