math Antics
Exercises

Name:

Date:

What Is Algebra?

1 Fill in the blank.

An _____ is a mathematical statement that two things are equal.

2 Fill in the blank.

In Algebra, when a number isn't known, we use a _____ in its place.

3 Fill in the blank.

Figuring out the value of an unknown in an equation is called _____ the equation.

4 Fill in the blank.

In Algebra, the letters used to represent unknown values are called _____ because their values can change or vary.

5 Fill in the blank.

_____ is the default operation in Algebra.

6 Circle to indicate if this statement is true or false.

A symbol CAN'T be used to represent two different values in the same equation at the same time.

TRUE or FALSE

7 Since multiplication is implied in Algebra, we often don't need to actually write the times symbol '×'. Re-write this algebraic equation without the times symbol.

$$a \times b = 4 \times c$$

8 To show that you can identify implied multiplication, re-write this algebraic equation using the times symbol wherever multiplication is implied.

$$3(bc) = 2d$$

math Antics Worksheets

Implied Multiplication

ALG 1

Instructions: Since multiplication is implied in Algebra, we often don't need to actually write the times symbol '×'. **Re-write** these algebraic equation without the times symbol.

1. $2 \times b = 4 - x \times y$

   2b = 4 - xy

2. $\frac{a \times b}{5} = 2 \times x$

3. $x \times y = \frac{a \times b}{d \times c}$

4. $7 + h = 5 \times g + b$

5. $(x + 2) \times (m \times k) = p$

6. $\frac{a \times b \times c}{x + y} = 10$

7. $y = m \times x + b$

8. $2 \times (x + 1) = 6 \times x$

9. $3 \times z = \frac{x \times y}{x + y}$

10. $\frac{7 \times a \times b}{3 \times c} = \frac{2 \times a}{5 \times b}$