

## What Is Algebra?

1 Fill in the blank.

An equation 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 symbol in its place. (or letter)  
(or variable)

3 Fill in the blank.

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

4 Fill in the blank.

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

5 Fill in the blank.

Multiplication 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.

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

$$ab = 4c$$

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

$$3(bc) = 2d$$

$$3 \times (b \times c) = 2 \times d$$