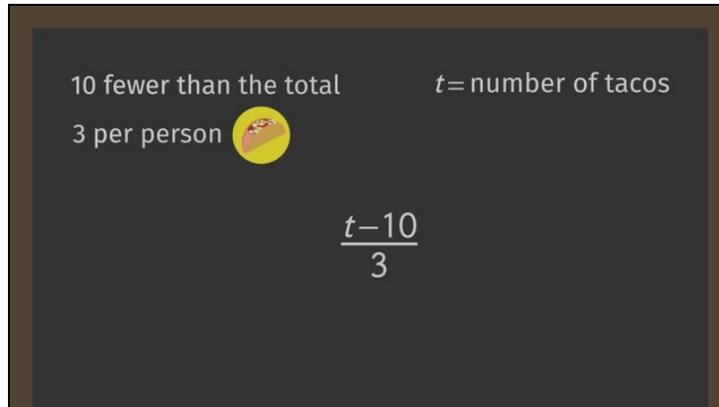




Printable Worksheets from [sofatutor.com](https://www.sofatutor.com)

How to Write Expressions



- 1 Summarize your knowledge about variables.
- 2 Explain how to identify the operator by keywords.
- 3 Decide the operation symbol.
- 4 Match the keyword with the operation symbol.
- 5 Highlight important keywords from various real world statements.
- 6 Determine the corresponding algebraic expressions.
- + with lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, including all problems, hints, answers, and detailed answer explanations is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



Summarize your knowledge about variables.

Choose the correct statements.

- A
You can choose any letter you like as a variable for the number of tacos.
- B
A variable is the same as a constant value.
- C
A variable represents an unknown value.
- D
You use variables in algebraic expressions.
- E
You can change each variable as you like to during the whole exercise.
- F
You can put values in for a variable.



Hints for solving these problems

1
of 6

Summarize your knowledge about variables.

Hint #1

If you don't know the number of students in your grade, you can represent the unknown number by a variable, such as s .

Hint #2

If you've decided one letter for an unknown value you have to use it consistently throughout the exercise.

Hint #3

Let's have a look at the algebraic expression, $x + 4$

- $x = 2$ we get $2 + 4 = 6$
 - $x = 10$ we get $10 + 4 = 14$
 - ...
-



Answers and detailed answer explanations for these problems

1
of 6

Summarize your knowledge about variables.

Answer key: A, C, D, F

If you'd like to write an algebraic expression with an unknown value, you first assign a variable to this unknown value.

Often the variable x or y is used, but sure you can also use any letter. For example, t for the number of tacos.

If you've decided on using one variable you don't have to change it during an exercise.

Let's have a look at the example of Matteo's taco company:

$$2.50t + 200$$

is the expression for the money coming into Matteo's company. Now, Matteo is able to put different values in for t to get:

- $2.50 \times 100 + 200 = 250 + 200 = 450$ for $t = 100$
- $2.50 \times 400 + 200 = 600 + 200 = 800$ for $t = 400$
- ...