

## Creating Equations from Context

### Essential Question

1. What is the difference between the dependent variable and the independent variable?

### WORDS TO KNOW

**dependent variable** labeled on the  $y$ -axis; the quantity that is based on the input values of the independent variable; the output variable of a function

**independent variable** labeled on the  $x$ -axis; the quantity that changes based on values chosen; the input variable of a function

### Recommended Resources

- IXL Learning. “Write Variable Expressions to Represent Word Problems.”

<http://www.walch.com/rr/04039>

This site includes practice problems for translating real-life situations into variable expressions.

- Shmoop. “High School: Algebra—Creating Equations HSA-CED.A.2.”

<http://www.walch.com/rr/04040>

This site provides an explanation of the standard that is useful for both students and teachers, along with sample assignments and aligned resources.

SMP

1 ✓ 2 ✓

3 4 ✓

5 6 ✓

7 ✓ 8