Grade 6 • Self Checks

UNIT 3 Expressions and Equations

In This Unit You will evaluate expressions and write equivalent expressions. You will also solve problems with inequalities and equations. You will show the relationship between dependent and independent variables using equations, and learn the difference between additive and multiplicative situations.

✓ Self Check

Before starting this unit, check off the skills you know below. As you complete each lesson, see how many more you can check off!

I can:	Before this unit	After this unit
evaluate numerical expressions that contain exponents, for example: $2^4 + 6 = 22$	☐	☐
use exponents to write the prime factorization of a number	☐	☐
interpret and evaluate algebraic expressions, for example: $2(8 + 7)$ means twice the sum of 8 and 7	☐	☐
use properties of operations to write equivalent expressions with variables	☐	☐
solve equations, for example: if $3 = \frac{1}{2}k$, then $k = 6$	☐	☐
solve inequalities, for example: if $3x \geq 15$, then $x \geq 5$	☐	☐
use equations and inequalities to solve word problems	☐	☐
write word problems given an equation or inequality	☐	☐
write equations to show the relationship between dependent and independent variables	☐	☐
identify additive and multiplicative relationships from graphs and tables	☐	☐