## VOCABULARY

| absolute value | the distance from zero on the number line |
| :--- | :--- |
| additive identity | the number 0 (for the real numbers) |
| additive inverse | the opposite or negative of a number; the sum of a number <br> and its additive inverse is zero |
| algebraic <br> expression | a mathematical expression containing one or more variables |
| associative | a property of the real numbers which states that how <br> numbers are grouped in a sum or product does not change <br> the value |
| property | the number which is repeated as a factor in an exponential <br> expression |
| the constant preceding the variables in a product |  |

integer
irrational number
like terms
multiplicative inverse
natural number
rational number
substitution
term
variable
whole number
a number belonging to the set made up of the whole numbers and their opposites
a number with an infinite decimal representation that does not repeat
terms that have the same variable(s), with each variable raised to the same exponent
the reciprocal of a number; if $x$ is a number other than zero, then $1 / x$ is the multiplicative inverse; the product of a number and its multiplicative inverse is 1
a number belonging to the set made up of the numbers that are used to count: $1,2,3$, and so on
a number that can be written as a ratio of two integers in the form $A / B$ with $B \neq 0$
replacing a quantity with its equal
a number or a variable, or an indicated product of a number and variable(s)
a letter or symbol used to represent an unknown
a number belonging to the set made up of zero and the natural numbers

