



## Vocabulary: Solving Equations on the Number Line



### Vocabulary

- Equation – a mathematical sentence that states that two expressions are equal.
  - The two equal expressions in an equation are written with an *equals sign* (=) between them.
  - For example, the equation  $x + 3.1 = 6.5$  shows that  $x + 3.1$  and  $6.5$  are equal.
- Expression – a combination of numbers, variables, and/or operations.
  - For example,  $x - 5$ ,  $8m$ ,  $r \div 6$ ,  $7$ ,  $3x + 4$ , and  $(2 + (\frac{5}{11})^2 - 0.3)$  are all expressions.
- Solution – a value that makes an equation true.
  - For example,  $3.4$  is the solution of the equation  $x + 3.1 = 6.5$  because  $3.4 + 3.1 = 6.5$ .

