

Equation Tables

1. Solve the equation $x - 3 = y$ for the given values of x or y to complete the table.

Reasoning

x	3	6	
y	0		6

2. Examine the completed table from Exercise 1. What would happen to the value of y if the value of x was increased by five?

3. How would the value of y change if the equation was rewritten as $x - y = 3$, the value of x was increased by five, and the equation was still true?

4. How would the value of y change if the equation was rewritten as $y + 3 = x$, the value of x was increased by five, and the equation was still true?

5. Compare the equations in Exercises 1–4. How are they alike? How are they different?

6. Solve the equation $n \div v = 2$ for the given values of n or v to complete the table.

n	4	10	
v	2		8

7. How would the value of v change if the value of n was doubled and the equation was still true?
