

6th Grade Unit 3: Lesson 13-1

Check Your Understanding (p. 161):

3. a. let x = number of inches of water needed; $21 + \text{number of inches of water needed} = 42$
b. $21 + x = 42$; $x = 21$
c. $21 + 21 = 42$; $42 = 42$
4. let s = inches of snow; $5 + \text{inches of snow} = 12$; $5 + s = 12$; $s = 7$;
 $5 + 7 = 12$; $12 = 12$

Lesson 13-1 Practice (p. 161):

5. let x = amount owed;
 $\$5,000 + \text{amount owed} = \$23,600$;
 $5,000 + x = 23,600$;
 $x = 18,600$;
 $5,000 + 18,600 = 23,600$;
 $23,600 = 23,600$
6. let x = number of bulbs left;
 $42 + \text{number of bulbs left} = 100$;
 $42 + x = 100$;
 $x = 58$;
 $42 + 58 = 100$;
 $100 = 100$