

## 6<sup>th</sup> Grade Unit 3: Lesson 13-3

### Check Your Understanding (p. 168):

5. let  $x$  = original cost;  
original cost  $- \$600 = \$750$ ;  
 $x - 600 = 750$ ;  $x = 1,350$ ;  
 $1,350 - 600 = 750$ ;  
 $750 = 750$
6. let  $x$  = dog's weight;  
dog's weight  $- 7 = 45$ ;  
 $x - 7 = 45$ ;  $x = 52$ ;  
 $52 - 7 = 45$ ;  $45 = 45$

### Lesson 13-3 Practice (p. 168):

7. let  $x$  = original price;  
original price  $- \$15 = \$78$ ;  
 $x - 15 = 78$ ;  $x = 93$ ;  
 $93 - 15 = 78$ ;  $78 = 78$
8. let  $x$  = amount in savings account;  
amount in savings account  $-$   
 $\$420 = \$80$ ;  $x - 420 = 80$ ;  $x = 500$ ;  
 $500 - 420 = 80$ ;  $80 = 80$
9. Yes; sample answer: adding 3 isolates the  $x$  on the left side of the equation because  $-3 + 3 = 0$ .