

## 6<sup>th</sup> Grade Unit 3: Lesson 14-2

### Check Your Understanding (p. 179):

5. let  $x$  = number of busses;  $26x = 130$ ;  
 $x = 5$ ;  $26(5) = 130$ ;  $130 = 130$
6. let  $x$  = number of girls in sixth grade;  
 $\frac{1}{3}x = 11$ ;  $x = 33$ ;  $\frac{1}{3}(33) = 11$ ;  $11 = 11$

### Lesson 14-2 Practice (p. 181):

9. let  $x$  = cost of Tammy's lunch  
 $0.075x = 0.72$   
 $x = 9.60$   
 $0.075(9.60) = 0.72$ ;  $0.72 = 0.72$
10. let  $x$  = number of cartons  
 $12x = 216$   
 $x = 18$   
 $12(18) = 216$ ;  $216 = 216$
11. let  $x$  = number of books of stamps  
 $20x = 300$   
 $x = 15$   
 $20(15) = 300$ ;  $300 = 300$
12. 24; check students' equations
13. Answers will vary.
14. a.  $a = 9$   
b.  $b = 16$   
c.  $x = 8$   
d.  $x = 35$