

6<sup>th</sup> Grade Unit 4: Lesson 20-3

Check Your Understanding (p. 258):

6. a.  $>$   
b.  $<$   
c.  $<$   
d.  $>$
7.  $0.896, \frac{112}{125}, \frac{896}{1,000} \div \frac{8}{8} = \frac{112}{125}$
8.  $\frac{2}{3}, 60\%, 0.599$ . Students' work should show all three numbers as percents, fractions, or decimals.

Lesson 20-3 Practice (p. 258):

9.  $0.453, 43\%, \frac{3}{7}$
10.  $\frac{247}{200}, \frac{1,235}{1,000} \div \frac{5}{5} = \frac{247}{200}$
11. 20 parts out of 100; Michele =  $x$ ,  
Jeremy =  $x + 5$ , Carlos =  $(x + 5) + 10$ ;  
 $x + x + 5 + x + 5 + 10 = 3x + 20$ ,  
 $3x + 20 = 80$ ,  $3x = 60$ ,  $x = 20$
12. Divide 7 by 8 to get 0.875. Then change 0.875 to 87.5%. Then express the percent as the rate 87.5 out of 100.
13. a. 1.14 out of 100  
b.  $\frac{1.14}{100} = \frac{x}{2,000}$   
 $100x = 1.14(2,000)$   
 $100x = 2,280$   
 $x = 22.8$   
About 23 cases are rejected each hour.
14. a. 92 out of 100  
b.  $\frac{23}{25}$
15.  $66\frac{2}{3}\%$