Section 4.8 - 5.3

1. Solve:
   a. \( \frac{x - \frac{4}{9}}{\frac{2}{9}} = \frac{2}{9} \)
      \[ x = \frac{\frac{2}{9}}{\frac{2}{9}} = \frac{2}{2} = 1 \]
   b. \( \frac{\frac{3}{4}}{\frac{5}{3}} \cdot \frac{4}{1} \)
      \[ W = -\frac{5}{1} \cdot \frac{4}{1} \]
      \[ W = -20 \]
   c. \( 3\frac{1}{8} \cdot b = 25 \)
      \[ \frac{25}{8} b = 25; \frac{25}{8} = \frac{5}{2} \]
      \[ b = 8 \]
   d. \( 1\frac{1}{3} \cdot g = 3\frac{3}{4} \)
      \[ \frac{4}{3} \cdot \frac{9}{4} = \frac{4}{3} \cdot \frac{9}{4} \]
      \[ g = \frac{4}{5} \]

2. Identify the digit that has the given place value:
   a. 342.8765
      Tens: 4
      Hundreds: 7
   b. 12.98356
      Ones: 2
      Thousandths: 3
   c. 3
      Ten-thousandths: 5

3. Write each decimal as a fraction or mixed number in lowest terms:
   a. 0.7 = \( \frac{7}{10} \)
   b. 0.1 = \( \frac{1}{10} \)
   c. 13.3 = \( 13\frac{3}{10} \) or \( \frac{133}{10} \)
   d. 9.8 = \( \frac{98}{10} \) or \( \frac{98}{10} \)

4. Write each decimal in words.
   a. 0.5 five tenths
   b. 0.78 seventy eight hundredths
   c. 4.105 four and one hundred five thousandths
   d. 12.04 twelve and four hundredths

5. Write each decimal as a number.
   a. Six and seven tenths
      \( 6.7 \)
   b. Thirty-two hundredths
      \( .32 \)
   c. Four hundred twenty and eight thousandths
      \( 420.008 \)
6. Round each number to the place indicated.
   a. 16.8974 to the nearest tenth  16.9
   b. 0.95647 to the nearest thousandth  0.956

7. As Ms. Chen prepares to do her income tax return, she rounds each number to the nearest dollar. Write the rounded amounts.
   a. Income $48,649.60  $48,650  
   b. Union dues, $310.08  $310  
   c. Donations to charity, $848.91  $849  
   d. Interest Income, $69.58  $70  
   e. Federal withholding, $6064.49  $6064

8. Add the following:
   a. 342.8765 + 12.4587  
      \[ \begin{array}{c} 
      342.8765 \\
      12.4587 \\
      \hline
      355.3352 
\end{array} \]
   b. 12.98356 + 148.48000  
      \[ \begin{array}{c} 
      12.98356 \\
      +148.48000 \\
      \hline
      161.46356 
\end{array} \]

9. Subtract the following:
   a. 859.3248 - 247.3799  
      \[ \begin{array}{c} 
      859.3248 \\
      -247.3799 \\
      \hline
      611.9449 
\end{array} \]
   b. 256.357 - 7.3895  
      \[ \begin{array}{c} 
      256.357 \\
      -7.3895 \\
      \hline
      248.9675 
\end{array} \]
   b. 15.8394 - 29.7766  \[ 13.9372 \]  
      \[ \begin{array}{c} 
      29.7766 \\
      -15.8394 \\
      \hline
      13.9372 
\end{array} \]