Lesson 29 Problem Set

Name ____________________________________________ Date ______________________

1. Divide. Rewrite each expression as a division sentence with a fraction divisor, and fill in the blanks. The first one is done for you.

Example: \( 2 \div 0.1 = 2 \div \frac{1}{10} = 20 \)

- There are _____ tenths in 1 whole.
- There are _____ tenths in 2 wholes.

a. \( 5 \div 0.1 \)

- There are _____ tenths in 1 whole.
- There are _____ tenths in 5 wholes.

b. \( 8 \div 0.1 \)

- There are _____ tenths in 1 whole.
- There are _____ tenths in 8 wholes.

c. \( 5.2 \div 0.1 \)

- There are _____ tenths in 5 wholes.
- There are _____ tenths in 2 tenths.
- There are _____ tenths in 5.2.

d. \( 8.7 \div 0.1 \)

- There are _____ tenths in 8 wholes.
- There are _____ tenths in 7 tenths.
- There are _____ tenths in 8.7.

e. \( 5 \div 0.01 \)

- There are _____ hundredths in 1 whole.
- There are _____ hundredths in 5 wholes.

f. \( 8 \div 0.01 \)

- There are _____ hundredths in 1 whole.
- There are _____ hundredths in 8 wholes.

g. \( 5.2 \div 0.01 \)

- There are _____ hundredths in 5 wholes.
- There are _____ hundredths in 2 tenths.
- There are _____ hundredths in 5.2.

h. \( 8.7 \div 0.01 \)

- There are _____ hundredths in 8 wholes.
- There are _____ hundredths in 7 tenths.
- There are _____ hundredths in 8.7.
2. Divide.

<table>
<thead>
<tr>
<th></th>
<th>a. 6 ÷ 0.1</th>
<th>b. 18 ÷ 0.1</th>
<th>c. 6 ÷ 0.01</th>
</tr>
</thead>
<tbody>
<tr>
<td>d.</td>
<td>1.7 ÷ 0.1</td>
<td>e. 31 ÷ 0.01</td>
<td>f. 11 ÷ 0.01</td>
</tr>
<tr>
<td>g.</td>
<td>125 ÷ 0.1</td>
<td>h. 3.74 ÷ 0.01</td>
<td>i. 12.5 ÷ 0.01</td>
</tr>
</tbody>
</table>

3. Yung bought $4.60 worth of bubble gum. Each piece of gum cost $0.10. How many pieces of bubble gum did Yung buy?

4. Cheryl solved a problem: $84 ÷ 0.01 = 8,400$.

   Jane said, “Your answer is wrong because when you divide, the quotient is always smaller than the whole amount you start with, for example, $6 ÷ 2 = 3$ and $100 ÷ 4 = 25$.” Who is correct? Explain your thinking.

5. The U.S. Mint sells 2 ounces of American Eagle gold coins to a collector. Each coin weighs one-tenth of an ounce. How many gold coins were sold to the collector?