1. Divide. Then, check with multiplication. The first one is done for you.
   a. \(65 \div 17\)
      \[
      \begin{array}{c|cc|c}
      & 3 & R \ 14 \\
      \hline
      17 & \overline{6 \ 5} & \ \\
      - & 5 \ 1 & \ \\
      \hline
      & 1 \ 4 & \ \\
      \end{array}
      \]
      \[17 \times 3 = 51\]
      \[51 + 14 = 65\]
   b. \(49 \div 21\)
      \[
      \begin{array}{c|c|c|}
      & 2 & R \ 7 \\
      \hline
      21 & \overline{4 \ 9} & \ \\
      - & 4 \ 2 & \ \\
      \hline
      & 7 & \ \\
      \end{array}
      \]
      \[21 \times 2 = 42\]
      \[42 + 7 = 49\]
   c. \(78 \div 39\)
      \[
      \begin{array}{c|c}
      & 2 \ \\
      \hline
      39 & \overline{7 \ 8} & \ \\
      - & 7 \ 8 & \ \\
      \hline
      & 0 & \ \\
      \end{array}
      \]
      \[39 \times 2 = 78\]
   d. \(84 \div 32\)
      \[
      \begin{array}{c|c|c|}
      & 2 & R \ 20 \\
      \hline
      32 & \overline{8 \ 4} & \ \\
      - & 6 \ 4 & \ \\
      \hline
      & 20 & \ \\
      \end{array}
      \]
      \[32 \times 2 = 64\]
      \[64 + 20 = 84\]
   e. \(77 \div 25\)
      \[
      \begin{array}{c|c|c|}
      & 3 & R \ 2 \\
      \hline
      25 & \overline{7 \ 7} & \ \\
      - & 7 \ 5 & \ \\
      \hline
      & 2 & \ \\
      \end{array}
      \]
      \[25 \times 3 = 75\]
      \[75 + 2 = 77\]
   f. \(68 \div 17\)
      \[
      \begin{array}{c|c|c|}
      & 4 \ \\
      \hline
      17 & \overline{6 \ 8} & \ \\
      - & 6 \ 8 & \ \\
      \hline
      & 0 & \ \\
      \end{array}
      \]
      \[17 \times 4 = 68\]
2. When dividing 82 by 43, Linda estimated the quotient to be 2. Examine Linda’s work, and explain what she needs to do next. On the right, show how you would solve the problem.

<table>
<thead>
<tr>
<th>Linda’s estimation:</th>
<th>Linda’s work:</th>
<th>Your work:</th>
</tr>
</thead>
</table>
| 2                   | \[\begin{array}{c|c}
40 & 80 \\
\hline 43 & 82 \\
\end{array}\] | \[\begin{array}{c|c}
43 & 71 \\
\hline 82 & \_ \_ \_ \_ \\
\end{array}\] | 1 with a remainder of 39 when dividing by 43 is close to 2 groups. |

That is too many, so she needs to go down 1 on her quotient.

3. A number divided by 43 has a quotient of 3 with 28 as a remainder. Find the number. Show your work.

\[43 \times 3 = 129\]
\[\begin{array}{c}
129 \\
\hline
+ 28 \\
\hline
157
\end{array}\]

The number is 157.

4. Write another division problem that has a quotient of 3 and a remainder of 28.

Sample:
\[\begin{array}{c}
30 \\
\hline
3 \\
\hline
90 \\
\hline
+ 28 \\
\hline
118
\end{array}\]

It could be 118 \div 30 = 3 R. 28

5. Mrs. Silverstein sold 91 cupcakes at a food fair. The cupcakes were sold in boxes of “a baker’s dozen,” which is 13. She sold all the cupcakes at $15 per box. How much money did she receive?

\[\begin{array}{c}
13 \quad 13 \quad \ldots \\
\hline
91 \\
\hline
7 \text{ boxes} \quad \frac{3}{15} \\
\hline
\text{She made} \quad \frac{105}{105}
\end{array}\]