Problem-Solving Application:
Interpret Remainders

Solve. Explain why your answer makes sense.

A basket holds 4 dinner rolls. How many baskets are needed to hold 47 dinner rolls?

\[
\begin{array}{c}
47 \\
\underline{40} \\
7 \\
\underline{4} \\
3
\end{array}
\]

- How many baskets have 4 rolls? 11 baskets
- How many rolls are left over? 3 rolls
- Is another basket needed? yes

Another basket is needed to hold the 3 extra rolls, so 12 baskets are needed.

Solve each problem.

1. A florist received 69 roses. He wants to place the roses in buckets of water. Each bucket holds 6 roses. How many buckets will have 6 roses?

\[
\begin{array}{c}
69 \\
\underline{60} \\
9 \\
\underline{6} \\
3
\end{array}
\]

How many roses are left over?

How many buckets are needed for all the roses?

2. Ms. Dale bought 35 roses to give to her friends. She divided the roses equally between her 3 friends and kept the leftover roses for herself. How many roses did Ms. Dale keep?

\[
\begin{array}{c}
35 \\
\underline{30} \\
5 \\
\underline{3} \\
2
\end{array}
\]

Show your work.

Use with text pages 210–213.