Problem-Solving Application: Use Operations

Ask Yourself

**Understand**
- What is the question?
- What do I know?

**Plan**
- Is the information correct?
- Do I have all the information I need?

**Solve**
- Which operation(s) should I use?
- Did I use the operations in the correct order?

**Look Back**
- Did I check my answer?

Use the table for Problems 1–3.

1. Juan made 16 birdhouses and 12 mailboxes to sell at a fair. He packed them together in cartons of 6. He also made 25 picture frames and 21 signs. Juan packed these together in cartons of 8. How many cartons will he take to the fair?

<table>
<thead>
<tr>
<th>Juan’s Craft Corner Prices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birdhouse $18</td>
</tr>
<tr>
<td>Mailbox $32</td>
</tr>
<tr>
<td>Picture Frame $12</td>
</tr>
<tr>
<td>Welcome Sign $15</td>
</tr>
</tbody>
</table>

Show Your Work

2. The materials needed to make one picture frame cost Juan $4. How much money will Juan make if he sells all 25 of his picture frames at the fair?

3. Juan sold half of his mailboxes at the fair. If it costs Juan $13 to make one mailbox, how much money did he make at the fair?