1. Rudy will buy 3 ivory silk lilac trees or 2 bur oak trees. He wants to buy the trees that cost less. What trees will he buy? How much will he save? Show your work.

<table>
<thead>
<tr>
<th>Tree</th>
<th>Regular Price</th>
<th>Price for 3 or more</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ivory Silk Lilac</td>
<td>$25</td>
<td>$22</td>
</tr>
<tr>
<td>White Pine</td>
<td>$25</td>
<td>$37</td>
</tr>
<tr>
<td>Bur Oak</td>
<td>$35</td>
<td>$32</td>
</tr>
<tr>
<td>Birch</td>
<td>$9</td>
<td>$9</td>
</tr>
</tbody>
</table>

Rudy will buy 3 ivory silk lilac trees; $4
22 \times 3 = 66; 35 \times 2 = 70
$70 - $66 = $4
Check students' work.

2. There are 3 new seats in each row in a school auditorium. There are 15 rows in the auditorium. Each new seat costs $74. What is the cost for the new seats? Explain how you found your answer.

$3,330; Possible explanation: I multiplied 3 and 15 to get 45 seats. Then I multiplied 45 and 74 using partial products: (40 \times 70) + (40 \times 4) + (5 \times 70) + (5 \times 4) to get 2,800 + 160 + 350 + 20 = 3,330.

3. Nolan divides his 88 toy cars into boxes. Each box holds 9 cars. How many boxes does Nolan need to store all of his cars?

10 boxes

4. Kris and Julio played a card game. Together, they scored 36 points in one game. Kris scored 2 times as many points as Julio. How many points did Kris and Julio each score? Write an equation and solve. Explain your work.

Possible explanation: Julio scored \( n \) points, and Kris scored 2 \( \times n \) points. Together they scored 3 \( \times n \) points, so I wrote the equation 3 \( \times n = 36 \). I solved to find \( n = 12 \) points and 2 \( \times n = 24 \) points. Julio scored 12 points, and Kris scored 24 points.

5. A kennel is moving 160 dogs to a new facility. Each dog has its own crate. The facility manager rents 17 trucks. Each truck holds 9 dogs in their crates.

Part A
Write a division problem that can be used to find the number of trucks needed to carry the dogs in their crates. Then solve.

160 \div 9 = 17 \text{ r7}

Part B
What does the remainder mean in the context of the problem?

A remainder of 7 means that 7 dogs and their crates do not fit in the 17 trucks.

Part C
How can you use your answer to determine if the facility manager rented enough trucks? Explain.

Having a remainder lets me know that not all of the dogs and their crates will fit in the 17 trucks. The facility manager did not rent enough trucks.