Biking Around Town

Content Standards:
- Students will be able to create an equivalent fraction
- Students will be able to find the least common denominator
- Students will be able to add and subtract mixed numbers with unlike denominators

Task:
It's a beautiful fall day! You've decided to spend your day riding bikes with your family. Your ride bike includes various paths around Naperville. It's time to calculate the total mileage of your trip! Below are the different trail lengths that you and your family rode. Follow steps 1-4 to calculate the total mileage. Don't forget to show your work!

1. You and your family start at your house. You then ride 1 \( \frac{3}{5} \) miles to the start of the downtown Naperville bike trail. After riding for another 1 \( \frac{2}{3} \) miles, you stop at a Walgreens for water bottles. How far have you rode so far?
2. After leaving Walgreens, your family bikes another \( \frac{7}{8} \) miles to the end of the Naperville bike trail. How far have you biked altogether?
3. Your final destination is your family's favorite restaurant downtown Naperville. It's another 1 \( \frac{1}{2} \) miles to get there. How long did you and your family bike altogether today?
4. After talking to a friend at school, you realize you both went on bike rides over the weekend. Your friend's family biked 4 \( \frac{5}{6} \) miles. How many more miles did your family bike than your friend's family?
## Rubric

<table>
<thead>
<tr>
<th>Criteria</th>
<th>1 (Beginning)</th>
<th>2 (Approaching)</th>
<th>3 (Secure)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student correctly added the mixed numbers to calculate the total bike mileage *2</td>
<td>Student incorrectly added the mixed numbers</td>
<td>Student added parts of the mixed numbers correctly but did not get to the correct total mileage</td>
<td>Student added all mixed numbers correctly to get to the total mileage</td>
</tr>
<tr>
<td>Student correctly subtracted the mixed numbers *2</td>
<td>Student incorrectly subtracted the mixed numbers</td>
<td></td>
<td>Student correctly subtracted the mixed numbers</td>
</tr>
<tr>
<td>Student showed their work</td>
<td>Student did not show their work</td>
<td>Student showed all or some incorrect work</td>
<td>Student showed their work for a correct solution</td>
</tr>
</tbody>
</table>

\*2 indicates a multiplicative factor.