$\qquad$
$\qquad$

## Number <br> Unit 2 Line Master 7a <br> Choosing a Common Denominator

Mikala shared this solution to a fraction calculation.

$$
\begin{aligned}
2 \frac{1}{2}+\frac{2}{3}-\frac{1}{4}-\frac{1}{6} & =2 \frac{1}{2} \times \frac{72}{72}+\frac{2}{3} \times \frac{48}{48}-\frac{1}{4} \times \frac{36}{36}-\frac{1}{6} \times \frac{24}{24} \\
& =2 \frac{72}{144}+\frac{96}{144}-\frac{36}{144}-\frac{24}{144} \\
& =2 \frac{72}{144}+\frac{36}{144} \\
& =2 \frac{108}{144}
\end{aligned}
$$

1. Is Mikala's solution correct? If it is, explain how you know. If not, explain where Mikala made a mistake.
$\qquad$
2. Kaari solved the same question and got an answer of $2 \frac{3}{4}$.

Explain how you know that Kaari's and Mikala's answers are the same.
3. Suggest a smaller common denominator that Mikala could have used in their solution. What strategy could Mikala use to determine this smaller value?

