

$$\frac{4}{2} \times \frac{6}{3} = \frac{\cancel{3 \times 4} + \cancel{2 \times 6}}{\cancel{2 \times 3}} = \frac{12+12}{6} = \frac{24}{6} = 4$$

Annotations in the diagram:
 - A red arrow points to the '4' in the numerator of the first fraction.
 - A red circle highlights 3×4 with the text "This is important!" above it.
 - A red line is drawn through 2×6 in the numerator.
 - A green line is drawn through 2×3 in the denominator.
 - A green arrow points up to the 2×3 with the text "This multiplication is not necessary Try to simplify."
 - The word "WRONG!" is written in red above the 3×4 term.
 - A blue box encloses the $\frac{12+12}{6}$ step, with a blue arrow pointing from it to the final result.
 - The final result '4' is circled in yellow, with a yellow arrow pointing to it from a box labeled "RESULT".

This multiplication is not
 necessary Try to simplify.