

$$\frac{4}{2} \overset{\text{1}}{\nearrow} \frac{6}{3} = \frac{\overset{\text{This is important!}}{\textcircled{3 \times 4}} + \cancel{2 \times 6}}{\underset{\uparrow}{\cancel{2 \times 3}}} \overset{\text{WRONG!}}{=} \boxed{\frac{12 + 12}{6}} = \frac{24}{6} = \textcircled{4} \leftarrow \text{RESULT}$$

This multiplication is not necessary Try to simplify.