

Incorrect. The common denominator is $2xy$. Rewrite each fraction so that it has this denominator:

$$\frac{3}{2x} + \frac{5}{y} = \frac{3}{2x} \cdot \frac{y}{y} + \frac{5}{y} \cdot \frac{2x}{2x}$$

Multiply, and then add the numerators.