

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

$$\frac{3}{2x} + \frac{5}{y} = \frac{3}{2x} \cdot \frac{y}{y} + \frac{5}{y} \cdot \frac{2x}{2x} = \frac{3y}{2xy} + \frac{10x}{2xy} = \frac{3y + 10x}{2xy}$$