

Correct. The least common denominator is $5c \cdot 2d = 10cd$. Rewrite each fraction to have this denominator:

$$\frac{3}{5c} - \frac{1}{2d} = \frac{3}{5c} \cdot \frac{2d}{2d} - \frac{1}{2d} \cdot \frac{5c}{5c} = \frac{6d}{10cd} - \frac{5c}{10cd} = \frac{6d - 5c}{10cd}$$