

**Check:**  $\frac{2b}{5} + \frac{3b}{4} = 3$

$\frac{2b}{5} + \frac{3b}{4} = 3$       **Plug in our answer**  $b = \frac{60}{23}$

$\frac{2\left(\frac{60}{23}\right)}{5} + \frac{3\left(\frac{60}{23}\right)}{4} = 3$

$\frac{\frac{120}{23}}{5} + \frac{\frac{180}{23}}{4} = 3$       **We never divide fractions,  
We keep, change and flip!**

$\frac{120}{23} \left(\frac{1}{5}\right) + \frac{180}{23} \left(\frac{1}{4}\right) = 3$