

You may have realized that the least common denominator is  $8a \cdot 7b = 56ab$ , but then incorrectly rewrote the fractions as:  $\frac{24a}{56ab} - \frac{14b}{56ab}$

Instead, you should rewrite them using:

$$\frac{3}{8a} - \frac{2}{7b} = \frac{3}{8a} \cdot \frac{7b}{7b} - \frac{2}{7b} \cdot \frac{8a}{8a}$$

Multiply, and then subtract the numerators. The correct answer is:  $\frac{21b - 16a}{56ab}$