You may have multiplied by $\frac{9}{10}$ instead of its reciprocal: $\frac{15}{4} \cdot \frac{9}{10}$. To solve the problem, multiply the first number by the reciprocal of the second number: $\frac{15}{4} \div \frac{9}{10} = \frac{15}{4} \cdot \frac{10}{9}$. The correct answer is $4\frac{1}{6}$.