

Since purploxide, tealium and yellowgen are in the ratio 2:3:7, it follows that $\frac{2}{12}$ of the $180-\mathrm{mL}$ mixture is purploxide and $\frac{7}{12}$ is yellowgen. The difference is $\frac{7-2}{12}=\frac{5}{12}$ of the mixture, which means there are $180 \times \frac{5}{12}=15 \times 5=$ 75 more milliliters of yellowgen than purploxide.

