

$$\begin{aligned}
 \textit{Spending per Representative} &= \frac{\textit{Representatives}}{\textit{Budget, billions}} \\
 &= \frac{435}{4790} \\
 &\approx 0.09 \text{ representatives/billion dollars}
 \end{aligned}$$

$$\begin{aligned}
 \textit{Variable Representatives} &= \frac{1 \textit{ Billion} \times \textit{Representatives}}{\textit{Spending per Representative}} \\
 &= \frac{1 \times 435}{0.09} \\
 &\approx 4833
 \end{aligned}$$