Quiz 16, March 1, 2016
Write the repeating decimal $1.42 \overline{973}=1.42973973973 \ldots$ as the ratio of two integers.
Let $r=1.42973973973 \ldots$. We see that $1000 r-r=1428.31$. Thus, $999 r=1428.31$ and $r=\frac{1428.31}{999}=\frac{142831}{99900}$

