

$$8b) \quad 1.\overline{037}$$

$$= \left| \frac{37}{999} \right.$$

$$= \left| \frac{1}{27} \right.$$

$$x = 1.037037037\dots$$

$$1000x = 1037.037037037\dots$$

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$$999x = 1036$$

$$x = \frac{1036}{999}$$

8j7

$$\begin{aligned} & 0.11\overline{36} \\ &= \frac{1136 - 11}{9900} \\ &= \frac{1125}{9900} \\ &= \frac{5}{44} \\ &= \underline{\underline{\quad}} \end{aligned}$$

OR

$$\begin{aligned} x &= 0.11363636\dots\dots \\ 100x &= 11.363636\dots\dots \\ \hline 99x &= 11.25 \\ x &= \frac{11.25}{99} \\ &= \frac{1125}{9900} \end{aligned}$$