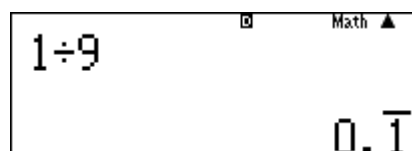## Module 4: Percent and proportional relationships

### Part B – Repeating Decimals and percent

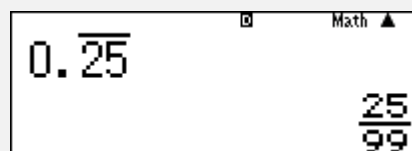| | |
|---|---|
| The calculator will display answers as repeating decimals. These will be displayed with a vinculum (bar) over the repeating part.<br><br>$1$ $\div$ $9$ $=$ $S \Leftrightarrow D$ | 1÷9    Math ▲<br><br>$0.\overline{1}$ |
| To write a repeating decimal on the calculator use the repeating decimal button.<br><br>$0$ $\cdot$ ALPHA $\sqrt{\blacksquare}$ $2$ $5$ $=$ ($\blacksquare$) | $0.\overline{25}$    Math ▲<br><br>$\dfrac{25}{99}$ |
| To place the repeating decimal bar in any other place besides the 10ᵗʰ place enter the non-repeating parts first then the repeating decimal bar followed by the repeating digits.<br><br>$4$ $\cdot$ $2$ $3$ DEL ALPHA $\sqrt{\blacksquare}$ ($\blacksquare$) $1$ $2$ $5$ $=$<br><br>Not all repeating decimals will be turned into fractions. | $4.23\overline{125}$    Math ▲<br><br>$4.231251251$ |
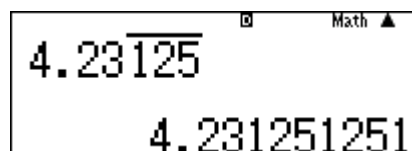
Repeating decimals can show up in percent questions. To enter them enter the repeating decimal first then enter the %.

4 2 · ALPHA √■ (■) 2 5 =

SHIFT ( (%) =

S↔D