Fraction to decimal

$$\frac{3}{7}$$

repeats

$$
\begin{array}{r}
0.4285714\,2 \\
7\overline{)3.0000000\ldots} \\
-0 \\
\hline
30 \\
-28 \\
\hline
20 \\
-14 \\
\hline
60 \\
-56 \\
\hline
40 \\
-35 \\
\hline
50 \\
-49 \\
\hline
10 \\
-7 \\
\hline
30 \\
-28 \\
\hline
20 \ldots
\end{array}
$$

so

$$\frac{3}{7} = 0.\overline{428571}$$