

Reading in Mathematics

Let $x = .a_{1}a_{2}...a_{n}$; then $10^{n} \cdot x = a_{1}a_{2}...a_{n}.a_{1}a_{2}...a_{n}$ $10^{n} \cdot x = a_{1}a_{2}...a_{n}.a_{1}a_{2}...a_{n}$ $x = ...a_{1}a_{2}...a_{n}$ $10^{n} \cdot x - x = a_{1}a_{2}...a_{n}$ $(10^{n} - 1)x = a_{1}a_{2}...a_{n}$ $x = \frac{a_{1}a_{2}...a_{n}}{10^{n} - 1}$ Thus, $.a_{1}a_{2}...a_{n} = \frac{a_{1}a_{2}...a_{n}}{10^{n} - 1}$

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MATH Monograph No.6

Reading in Mathematics

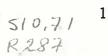
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Tricia Waddell

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