

Recurring Decimal Problems (1)

Prove each of the following sums using recurring decimals.

Prove that $0.\dot{1} \times 0.\dot{2}\dot{7} = \frac{1}{33}$

Prove that $0.\dot{5} \times 0.\dot{8}\dot{1} = \frac{5}{11}$

Prove that $0.\dot{1}\dot{8} \div 0.\dot{4} = \frac{9}{22}$

Prove that $0.\dot{8} \div 0.\dot{7}\dot{2} = 1\frac{2}{9}$

Prove that $0.1\dot{2}\dot{6} \div 0.\dot{2} = \frac{5}{8}$

Prove that $0.19\dot{4} \div 0.\dot{4} = \frac{7}{16}$



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