



Let's Investigate

$\frac{1}{2}$ is a *unitary* or *unit* fraction (meaning it has a numerator of 1).

0.5 is $\frac{1}{2}$ expressed as a decimal.

When converted to a decimal $\frac{1}{2}$ *terminates*.

$\frac{1}{4}$ is another unitary fraction.

When $\frac{1}{4}$ is converted to a decimal it is 0.1666666 .

When converted to a decimal the fraction $\frac{1}{4}$ *recurs* (it goes on and on – it does not terminate).

Using a calculator, investigate unitary fractions where the decimal terminates.

Can you find all the terminating fractions from $\frac{1}{2}$ to $\frac{1}{100}$?



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