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3.7 Dividing a Decimal Less than 1 by a Whole Number

Connect:
Use place value to divide 0.074 by 8 .

$\forall$ write zero in the dividend until there is no remainder
So, $0.074 \div 8=0.00925$.
you can round this to 0.009

Based on the pattern seen in the warm-up, what would $0.0074 \div 8$ be?
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3.7 Dividing a Decimal Less than 1 by a

Whole Number
Warm up:
Use a calculator to find each quotient:


What pattern do you see?
The smaller the dividend is, with the divisor the same, the smaller the quotient.
divisor $\frac{\text { quotient }}{\text { dividend }}$
For each place-value the decimal is moved to the left in the dividend, the quotient decimal will move to the left the same amount.

