

Dividing Decimals by Decimals

Step 1: Move the decimal to the right (as many times as necessary) to make the divisor a whole number.

$$48.40 \div 0.02$$

↓
 $0.02 = 2$

Step 2: Move the decimal in the dividend the same number of times you moved it in the divisor.

$$0.02 = 2$$
$$48.40 = 4840$$

Step 3: Place the decimal into the quotient directly above the placed decimal point.

$$2 \overline{) 4,840.}$$

Step 4: **DIVIDE** as normal.

Answer: 2,420

$$\begin{array}{r} 2420. \\ 2 \overline{) 4,840.} \\ \underline{-4} \\ 08 \\ \underline{-8} \\ 04 \\ \underline{-4} \\ 00 \\ \underline{-0} \\ 00 \end{array}$$

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$$0.009 \div 0.18$$

$$0.18 \overline{) 0.009} = 0.05$$

$$\begin{array}{r} 0.05 \\ 18 \overline{) 0.90} \\ \underline{-0} \\ 09 \\ \underline{-0} \\ 90 \\ \underline{-90} \\ 00 \end{array}$$