Multiplying Decimals

Multiply first, place the decimal last

$$\begin{array}{r} 2.4 \\ \times\ 0.3 \\ \hline 0.72 \end{array}$$

1. **Ignore the decimals**
   Multiply like whole numbers: 24 × 3 = 72

2. **Count the decimal places**
   2.4 has 1. 0.3 has 1. That makes 2 in all.

3. **Place the decimal**
   Move it 2 places from the right: 0.72

4. **Check with an estimate**
   2 × 0.3 is about 0.6, so 0.72 makes sense