1. Multiply using both fraction form and unit form. Check your answer by counting the decimal places.
   The first one is done for you.
   a. \(2.3 \times 1.8 = \frac{23}{10} \times \frac{18}{10} = \frac{23 \times 18}{100} = \frac{414}{100} = 4.14\)
   b. \(2.3 \times 0.9 = \frac{23}{10} \times \frac{9}{10} = \frac{23 \times 9}{100} = \frac{207}{100} = 2.07\)
   c. \(6.6 \times 2.8 = \frac{66}{10} \times \frac{28}{10} = \frac{66 \times 28}{100} = \frac{1824}{100} = 18.24\)
   d. \(3.3 \times 1.4 = \frac{33}{10} \times \frac{14}{10} = \frac{33 \times 14}{100} = \frac{462}{100} = 4.62\)

2. Multiply using fraction form and unit form. Check your answer by counting the decimal places.
   The first one is done for you.
   a. \(2.38 \times 1.8 = \frac{238}{100} \times \frac{18}{10} = \frac{238 \times 18}{1000} = \frac{4284}{1000} = 4.284\)
   b. \(2.37 \times 0.9 = \frac{237}{100} \times \frac{9}{10} = \frac{237 \times 9}{1000} = \frac{2133}{1000} = 2.133\)
   c. \(6.06 \times 2.8 = \frac{606}{100} \times \frac{28}{10} = \frac{606 \times 28}{1000} = \frac{16968}{1000} = 16.968\)
   d. \(3.3 \times 0.14 = \frac{33}{10} \times \frac{14}{100} = \frac{33 \times 14}{1000} = \frac{462}{1000} = 0.462\)
2. Solve using the standard algorithm. Show your thinking about the units of your product. The first one is done for you.

a. \(3.2 \times 0.6 = 1.92\)

\[
\begin{array}{c}
\text{3 2 tenths} \\
\times \text{6 tenths} \\
\hline
1 9 2 \text{ hundredths}
\end{array}
\]

\[
\begin{array}{c}
\frac{32}{10} \times \frac{6}{10} = \frac{32 \times 6}{100} \\
\text{3 2 tenths} \\
\times \text{1 2 tenths} \\
\hline
\frac{64}{100} \\
+ \frac{320}{100} \\
\hline
\frac{384}{100} \text{ hundredths}
\end{array}
\]

b. \(3.2 \times 1.2 = 3.84\)

\[
\begin{array}{c}
\frac{32}{10} \times \frac{12}{10} = \frac{32 \times 12}{100}
\end{array}
\]

c. \(8.31 \times 2.4 = 19.944\)

\[
\begin{array}{c}
831 \text{ hund.} \\
\times 24 \text{ tenths} \\
\hline
3324 \text{ tenths} \\
+16620 \text{ hundredths} \\
\hline
19944 \text{ thousandths}
\end{array}
\]

d. \(7.50 \times 3.5 = 26.250\)

\[
\begin{array}{c}
750 \text{ hund.} \\
\times 35 \text{ tenths} \\
\hline
3750 \text{ hundredths} \\
+225000 \text{ thou. or 2250 hund.}
\end{array}
\]

3. Carolyn buys 1.2 pounds of chicken breast. If each pound of chicken breast costs $3.70, how much will she pay for the chicken breast?

\[
\begin{array}{c}
\$3.70 \\
\times 1.2 \\
\hline
\$4.44 \\
+0.70 \\
\hline
\$4.44 \text{ for the chicken breast.}
\end{array}
\]

4. A kitchen measures 3.75 meters by 4.2 meters.

a. Find the area of the kitchen.

\[
\begin{array}{c}
\text{3.75m} \\
\times \text{4.2m} \\
\hline
A = 15.75 \text{ meters.}
\end{array}
\]

b. The area of the living room is one and a half times that of the kitchen. Find the total area of the living room and the kitchen.

\[
\begin{array}{c}
\text{Kitchen} \\
15.75 \text{ sq. m} \\
\text{Living room} \\
15.75 \text{ sq. m} \\
\hline
? + 7.875 \\
\hline
39.375 \text{ sq. m}
\end{array}
\]

The total area of the living room and kitchen are \(39.375\) square meters.