Possible Solutions
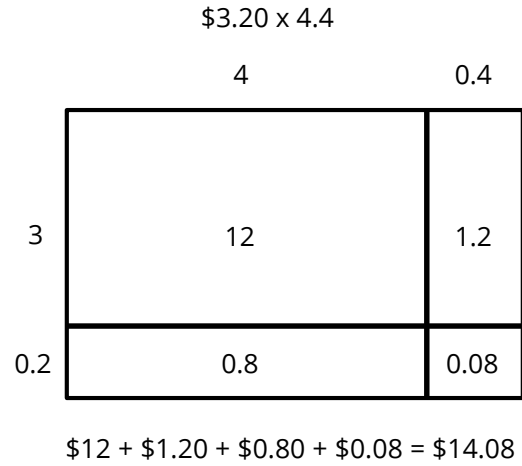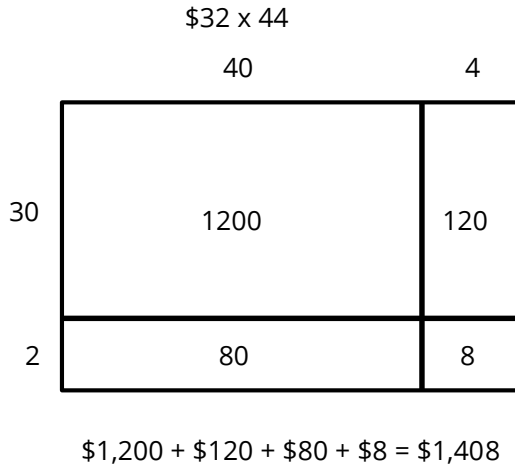
$32 x 44 = $1,408 $3.20 x 4.4 = $14.08

The numbers are in the same order, but the position of the decimal affects the value of the numbers. The only difference in the products is due to the place value created by the decimals.

$32 x 44 $3.20 x 4.4

	40	4
30	1200	120
2	80	8

	4	0.4
3	12	1.2
0.2	0.8	0.08

$1,200 + $120 + $80 + $8 = $1,408 $12 + $1.20 + $0.80 + $0.08 = $14.08

Distributive Property Example

$3.20 x 4 $3.20 x 0.4

$3 + $0.20 $3 + $0.20

$$
\begin{array}{r}
\$3 + \$0.20 \\
\times \qquad 4 \\
\hline
\$0.80 \\
+ \quad \$12.00 \\
\hline
\$12.80
\end{array}
$$

4 + $0.20
4 + $3

$$
\begin{array}{r}
\$3 + \$0.20 \\
\times \qquad 0.4 \\
\hline
\$0.08 \\
+ \quad \$1.20 \\
\hline
\$1.28
\end{array}
$$

$0.4 + $0.20
$0.4 + $3

$3.20 x 4.4 = $3.20 x (4 + 0.4)

$12.80 + $1.28 = $14.08
Sarah paid $14.08 for the meat.