## Multiply by Whole Tens in Columns

| $7 \times 58=406$. NOW THINK: 5 <br> What would $\underline{\mathbf{7 0} \times \mathbf{5 8}}$ be? 58 <br> Can you guess? $\times \quad 7$ <br> 406  | $116 \times 9=1,044$. NOW 1 1 <br> THINK: 1 1 |
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| Don't read more until you think about the questions above! |  |
| $\begin{aligned} & 70 \times 58 \\ & =10 \times(7 \times 58) \end{aligned}$ <br> So, the result to $70 \times 58$ is ten times the result to $7 \times 58$. <br> Since $7 \times 58=406$, then $70 \times 58$ is 4,060 . Just tag a zero! | $\begin{aligned} & 116 \times 90 \\ & =(116 \times 9) \times 10 \end{aligned}$ <br> So, the result to $116 \times 90$ is ten times the result to $116 \times 9$. <br> Since $116 \times 9=1,044$, then $116 \times 90$ is 10,440 . Just tag a zero! |

1. Use the above method to multiply these.

2. a. A crate of apples weighs 20 kg . How much do 65 crates weigh?
b. One crate contains four layers of apples.

There are 25 apples in each layer. How many apples are in a crate?
c. A store owner sold 60 kg of apples to one customer. How many apples did the customer get?

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3. Multiply. Place a zero in the ones place before multiplying.
a.

b. $\begin{array}{r}27 \\ \times \quad 60 \\ \hline\end{array}$
c.

d.

e.

4. Multiply. Place a zero in the ones place and in the tens place before multiplying.
a. 40
$\times 80$
b.
120
$\times \quad 70$
c. $\begin{array}{r}231 \\ \times \quad 80 \\ \hline\end{array}$
d. $\begin{array}{r}658 \\ \times \quad 70\end{array}$
5. The bus driver Mr. Hendrickson drives about 250 km each day on his route. About how many kilometers does he drive in his 5-day work week?

How about in the 4 weeks he works in a month?

6. One side of farmer Greg's square-shaped field measures 200 m . He jogged around it seven times. What is the distance he jogged?
7. Calculate. Use a notebook.
a. $80 \times 56+15,000$
b. $65,000-50 \times 430$
c. $20 \times(85+126)+2,333$

If $382 \times 29=11,078$,
then what is $3,820 \times 290$ ?

