## Another Look!

Golf balls come in a box of 12. How many golf balls are in 14 boxes? Remember to estimate so you can tell if your answer is reasonable.


## Additional

Practice 4-6 to Multiply by 2-Digit Numbers

For 1-8, estimate. Find all the partial products. Then add to find the final product. Draw area models as needed.
1.
$\begin{array}{r}16 \\ \times \quad 15 \\ \hline\end{array}$
2.

| 16 |
| ---: |
| $\times \quad 12$ |

3. 

19
4.
24

There are 168 golf balls in the boxes.
9. Reasoning Why can the calculations to the right of each partial product be thought of as simpler problems?

$$
\begin{array}{rl}
34 & \\
\times \quad 24 & \\
\hline 16 & 4 \times 4 \\
120 & 4 \times 3 \text { tens } \\
80 & 2 \text { tens } \times 4 \\
+600 & 2 \text { tens } \times 3 \text { tens }
\end{array}
$$

10. Explain the mistakes in the calculation below. Show the correct calculation.
$\begin{array}{r}12 \\ \times \quad 13 \\ \hline 6 \\ 3 \\ 20 \\ +\quad 10 \\ \hline 39\end{array}$
11. A movie theater charges $\$ 10$ for an adult ticket and $\$ 9$ for a child ticket. The goal is to make $\$ 1,200$ on adult tickets each week. Did the theater make its goal this week? How much more or less than the goal did the theater make?

Weekday Movie Matinee Ticket Sales

12. Higher Order Thinking A golf practice range has 245 balls. The owner bought a carton of golf balls. How many golf balls does the owner have after buying the carton?


## Assessment Practice

13. Which set of numbers has the missing partial product and the final product?

| 12 | (A) | $100 ; 216$ |
| :--- | :--- | :--- |
| $\times$18 <br> 16 | (B) | $10 ; 126$ |
| 80 | (C) | $106 ; 212$ |
| 20 | (D) | $100 ; 261$ |
| $+\square$ |  |  |

14. Select all the equations in which 15 is the missing factor.
$\square b \times 15=225$
$\square 32 \times b=480$
$\square 51 \times b=765$
$\square b \times 41=1,025$
$\square 65 \times b=910$
