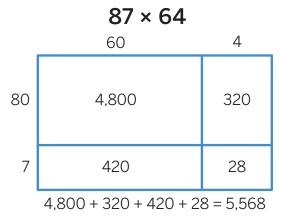
Sub-Unit 1 | Summary

In this sub-unit . . .

 We multiplied three- and four-digit numbers by one-digit numbers using partial products strategies.

$$342 \times 4$$
 $300 \times 4 = 1,200$
 $40 \times 4 = 160$
 $2 \times 4 = 8$
 $1,200 + 160 + 8 = 1,368$

- **Math tip:** Decomposing factors by place value helps you use partial products strategies.
- We learned how to use area models to determine products of 2 two-digit numbers.



 We learned how to use the standard algorithm to multiply 2 two-digit numbers.

$$\begin{array}{r}
4 \\
2 \\
87 \\
\times 64 \\
\hline
348 \\
+ 5,220 \\
\hline
5,568
\end{array}$$

Sub-Unit 2 | Summary

In this sub-unit . . .

 We represented division story problems using equations and solved them using the relationship between multiplication and division.

$$5 \times 20 = 100$$
 $100 \div 5 = 20$ $5 \times 12 = 60$ $60 \div 5 = 12$ $5 \times 1 = 5$ $5 \div 5 = 1$ $20 + 12 + 1 = 33$ $20 + 12 + 1 = 33$

We used area models and equations to represent <u>partial</u> <u>quotients</u>.

- **Math tip:** Decompose the dividend into numbers that are easily divisible by the divisor.
- We learned how to use the standard algorithm to divide three- and four-digit dividends by one-digit divisors.

$$\begin{array}{r}
93 \\
5)465 \\
-45 \\
\hline
15 \\
-15 \\
\hline
0
\end{array}$$

Sub-Unit 3 | Summary

In this sub-unit . . .

 We learned that when dividing numbers, any amount left is called a <u>remainder</u>.

> Maile is packing 294 lei into boxes. Each box can hold up to 4 lei. How many boxes are needed to pack all the lei?

Maile needs 74 boxes to fit all the lei.

- **Math tip:** The remainder should be less than the divisor. Otherwise, you can make more equal groups.
- We used the context of problems to determine what to do with the remainder.

There are 293 players signed up for a basketball league. The league wants to place 7 players on each team and distribute any leftover players to make some 8-player teams.

Determine the number of 7- and 8-player teams.

293 divided by 7 is 41 with a remainder of 6. 35 teams will have 7 players. 6 teams will have 8 players

We solved problems that required more than 1 step.

Pat's Lei Shop needs to ship 45 boxes of lei. Each box needs 3 cooling packets, and each cooling packet costs \$9.

How much will the shop spend on cooling packets?

$$45 \times 3$$

 $40 \times 3 = 120$
 $5 \times 3 = 15$
 $120 + 15 = 135$

 135×9 $(100 \times 9) + (30 \times 9) + (5 \times 9)$ 900 + 270 + 45 = 1,215Pat's Lei Shop will spend \$1,215 on cooling packets.