Multiply by Multi-Digit Numbers

Estimate. Then find the product.

1. Estimate: ___4,000___

$$
\begin{array}{r}
82 \\
\times\ 49 \\
\hline
738 \\
+\ 3280 \\
\hline
4,018
\end{array}
$$

2. Estimate: _____

$$
\begin{array}{r}
92 \\
\times\ 68 \\
\hline
\end{array}
$$

3. Estimate: _____

$$
\begin{array}{r}
1,537 \\
\times\ 242 \\
\hline
\end{array}
$$

4. 23×67

5. 309×29

6. 612×87

Problem Solving Real World

7. A company shipped 48 boxes of canned dog food. Each box contains 24 cans. How many cans of dog food did the company ship in all?

8. There were 135 cars in a rally. Each driver paid a $25 fee to participate in the rally. How much money did the drivers pay in all?

9. **WRITE** ▸ *Math* Write a problem multiplying a 3-digit number by a 2-digit number. Show all the steps to solve it by using place value and regrouping and by using partial products.

Lesson Check

1. A chessboard has 64 squares. At a chess tournament 84 chessboards were used. How many squares are there on 84 chessboards?

2. Last month, a manufacturing company shipped 452 boxes of ball bearings. Each box contains 48 ball bearings. How many ball bearings did the company ship last month?

Spiral Review

3. What is the standard form of the number three million, sixty thousand, five hundred twenty?

4. What number completes the following equation?

$$8 \times (40 + 7) = (8 \times \boxed{}) + (8 \times 7)$$

5. The population of Clarksville is about 6,000 people. What is the population written as a whole number multiplied by a power of ten?

6. A sporting goods store ordered 144 cans of tennis balls. Each can contains 3 balls. How many tennis balls did the store order?

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