Multiplication Records from Puzzles

Fill in the puzzle and complete the multiplication records.

1

×	50	3	53
9			
20			
29			

2
$$\begin{array}{r} 50 \\ \times\ 9 \\ \hline \end{array}$$

3
$$\begin{array}{r} 3 \\ \times\ 20 \\ \hline \end{array}$$

4
$$\begin{array}{r} 53 \\ \times\ 29 \\ \hline \end{array}$$

5
$$\begin{array}{r} 50 \\ \times\ 20 \\ \hline \end{array}$$

6
$$\begin{array}{r} 3 \\ \times\ 29 \\ \hline \end{array}$$

7
$$\begin{array}{r} 3 \\ \times\ 9 \\ \hline \end{array}$$

8
$$\begin{array}{r} 50 \\ \times\ 29 \\ \hline \end{array}$$

9
$$\begin{array}{r} 53 \\ \times\ 20 \\ \hline \end{array}$$

10
$$\begin{array}{r} 53 \\ \times\ 9 \\ \hline \end{array}$$

Steps Away Tables

2 Steps Away:

n	6	8	10	12
* n^2				
$n + 2$				
$n - 2$				
** $(n + 2) \times (n - 2)$				

3 Steps Away:

n	6	8	10	12
* n^2				
$n + 3$				
$n - 3$				
** $(n + 3) \times (n - 3)$				

4 Steps Away:

n	6	8	10	12
* n^2				
$n + 4$				
$n - 4$				
** $(n + 4) \times (n - 4)$				

5 Steps Away:

n	6	8	10	12
* n^2				
$n + 5$				
$n - 5$				
** $(n + 5) \times (n - 5)$				

Multiplying Three-Digit Numbers by Two-Digit Numbers

Here is a 3-digit by 2-digit multiplication problem.

176 × 48

1 Think about the methods you know for multiplying 2-digit numbers. Tell or show how you would use one of those methods to solve this problem.

2 Find the same product using a different method.

3 Give one reason that a student would want to use the first method and one reason that a student would want to use the second method.

_____

_____

_____

_____