

Name _____

Multiply Using Partial Products

Multiply 25×43. Record the product.		tens ones
		4 3
Think: I can use partial products to find 25×43 .		$\times 25$
Step 1 Multiply the tens by the tens. 20×4 tens = 80 tens, or 800.	→	8 0 0
Step 2 Multiply the ones by the tens. 20×3 ones = 60 ones, or 60.	→	6 0
Step 3 Multiply the tens by the ones. 5×4 tens = 20 tens, or 200.	→	2 0 0
Step 4 Multiply the ones by the ones. 5×3 ones = 15 ones, or 15.	→	$+ 15$
Step 5 Add the partial products. $800 + 60 + 200 + 15 = 1,075$.	→	<u>1,075</u>
So, $25 \times 43 =$ <u>1,075</u> .		

Record the product.

1.
$$\begin{array}{r} 25 \\ \times 62 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 59 \\ \times 38 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 85 \\ \times 72 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 46 \\ \times 52 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 76 \\ \times 23 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 38 \\ \times 95 \\ \hline \end{array}$$