Zeros in the multiplier

3-digit by 3-digit multiplication · Name _____ Date _____

Write each partial product in its place. Record a zero row as 0. Then add.

Q1

$$\begin{array}{r} 336 \\ \times\ 402 \\ \hline \end{array}$$

Ones	
Tens	
Hundreds	
Total	

Q2

$$\begin{array}{r} 759 \\ \times\ 990 \\ \hline \end{array}$$

Ones	
Tens	
Hundreds	
Total	

Q3

$$\begin{array}{r} 675 \\ \times\ 100 \\ \hline \end{array}$$

Ones	
Tens	
Hundreds	
Total	

Q4

$$\begin{array}{r} 948 \\ \times\ 602 \\ \hline \end{array}$$

Ones	
Tens	
Hundreds	
Total	

Zeros in the multiplier — Worked key

3-digit by 3-digit multiplication · Teacher copy

Each row includes its place value. Add all three rows to obtain the product.

Q1

	3 3 6
	× 4 0 2
Ones	6 7 2
Tens	0
Hundreds	1 3 4 4 0 0
Total	**1 3 5 0 7 2**

336 × 402 = 135,072

Q2

	7 5 9
	× 9 9 0
Ones	0
Tens	6 8 3 1 0
Hundreds	6 8 3 1 0 0
Total	**7 5 1 4 1 0**

759 × 990 = 751,410

Q3

	6 7 5
	× 1 0 0
Ones	0
Tens	0
Hundreds	6 7 5 0 0
Total	**6 7 5 0 0**

675 × 100 = 67,500

Q4

	9 4 8
	× 6 0 2
Ones	1 8 9 6
Tens	0
Hundreds	5 6 8 8 0 0
Total	**5 7 0 6 9 6**

948 × 602 = 570,696