

Area Model

Multiplication

$$45 \times 62$$

	40	5	
60	$60 \times 40 = 2,400$	$60 \times 5 = 300$	2,400 300 + 80
2	$2 \times 40 = 80$	$2 \times 5 = 10$	10 2,790

Step 1: Expand each factor

Step 2: Set up expanded numbers around the box

Step 3: Multiply the rows and columns

Step 4: Add