

## Multiplying using the Area Model

$$124 \times 98 =$$

**Step 1:** Create a box and put numbers in expanded form.

X	100	20	4
90			
8			

**Step 2:** Multiply each value

X	100	20	4
90	$90 \times 100 =$ 9000	$90 \times 20 =$ 1800	$90 \times 4 =$ 360
8	$8 \times 100 =$ 800	$8 \times 20 =$ 160	$8 \times 4 =$ 32

**Step 3:** Add the partial products

9	0	0	0	0
1	8	0	0	0
	3	6	0	0
	8	0	0	0
	1	6	0	0
+		3	2	
1	2,	1	5	2



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