## Long Multiplication

Multiplying by a Two-Digit Number

154 × 26

Write the numbers above each other in the correct columns.

× 2 6

5 tens × 6 = 30 tens + 2 tens = 32 tens = 3 hundreds and 2 tens

Write 2 in the answer section and regroup the 3 hundreds by writing 3 above the hundreds column.

4 ones × 6 ones = 24 ones = 2 tens and 4 ones

Write 4 in the answer section and regroup the 2 tens by writing 2 above the tens column.

× 2 6

1 hundred × 6 = 6 hundreds + 3 hundreds = 9 hundreds

Write 9 in the answer section.

5 4

×

2 4



## Long Multiplication

Multiplying by a Two-Digit Number

Cross out any previous regroupings.

In the next section, multiply the ones in the three-digit number by the tens in the two-digit number

Because the calculation involves multiplying by 20, a zero needs to be placed in the right-hand column as a place holder.

 $4 \text{ ones} \times 2 \text{ tens} = 8 \text{ tens}$ 

Write 8 in the answer section.

Multiply the tens in the three-digit number by the tens in the two-digit number and add any regrouped hundreds.

5 tens × 2 tens = 1 thousand

Write 0 in the answer section and regroup the 1 thousands by writing a 1 above the thousands column.

1	//	
1	5	4
×	2	6
9	2	4
	8	0

Multiply the hundreds in the three-digit number by the tens in the two-digit number and add any regrouped thousands.

1 hundred × 2 tens = 2 thousands + 1 thousand = 3 thousands

Write 3 in the answer section.

1	1	1	
•	1	5	4
×		2	6
	9	2	4

3 0 8 0

1 3/2/

9 2 4

3 0 8 0

4 0 0 4

1 1

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