

# Multiplying by 1-Digit Numbers

Mr. McGuire drives his truck 275 miles each day. How far does he drive in 3 days?

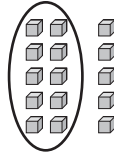
Find  $275 \times 3$ .

### Step 1:

Multiply the ones. Regroup if necessary.

### What You Think

$3 \times 5$  ones = 15 ones  
Regroup 15 ones as 1 ten and 5 ones.

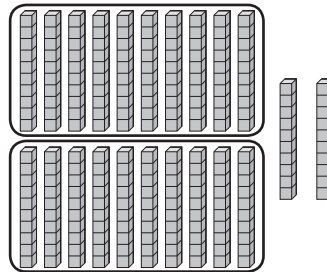


### Step 2:

Multiply the tens. Regroup if necessary.

### What You Think

$3 \times 7$  tens = 21 tens  
 $21$  tens + 1 ten = 22 tens  
Regroup as 2 hundreds and 2 tens.

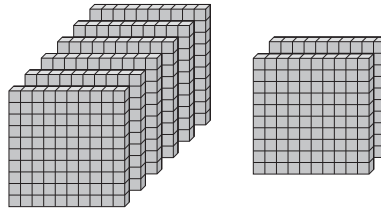


### Step 3:

Multiply the hundreds. Regroup if necessary.

### What You Think

$3 \times 2$  hundreds = 6 hundreds  
 $6$  hundreds + 2 hundreds = 8 hundreds  
No need to regroup.



### What You Write

$$\begin{array}{r} 1 \\ 275 \\ \times 3 \\ \hline 5 \end{array}$$

### What You Write

$$\begin{array}{r} 21 \\ 275 \\ \times 3 \\ \hline 25 \end{array}$$

### What You Write

$$\begin{array}{r} 21 \\ 275 \\ \times 3 \\ \hline 825 \end{array}$$

Mr. McGuire drives 825 miles in 3 days.

Find each product. Estimate to check that your answer is reasonable.

1.  $31 \times 7$  \_\_\_\_\_ 2.  $29 \times 4$  \_\_\_\_\_ 3.  $88 \times 6$  \_\_\_\_\_

4.  $25 \times 9$  \_\_\_\_\_ 5.  $102 \times 8$  \_\_\_\_\_ 6.  $211 \times 7$  \_\_\_\_\_

7.  $552 \times 3$  \_\_\_\_\_ 8.  $471 \times 9$  \_\_\_\_\_ 9.  $73 \times 4$  \_\_\_\_\_

10.  $266 \times 8$  \_\_\_\_\_ 11.  $390 \times 2$  \_\_\_\_\_ 12.  $514 \times 6$  \_\_\_\_\_

13. **Estimation** Estimate the product of 48 and 7. Do you have an underestimate or overestimate?

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