

Multiplying by 1-Digit Numbers

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

Find 275×3 .

Step 1:

Multiply the ones. Regroup if necessary.

What You Think

3×5 ones = 15 ones
Regroup 15 ones as 1 ten and 5 ones.



What You Write

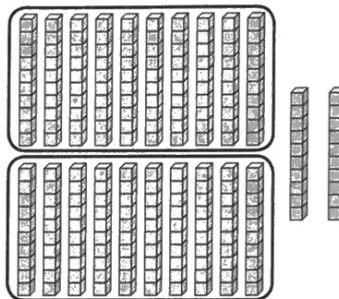
$$\begin{array}{r} 1 \\ 275 \\ \times 3 \\ \hline 5 \end{array}$$

Step 2:

Multiply the tens. Regroup if necessary.

What You Think

3×7 tens = 21 tens
 21 tens + 1 ten = 22 tens
Regroup as 2 hundreds and 2 tens.



What You Write

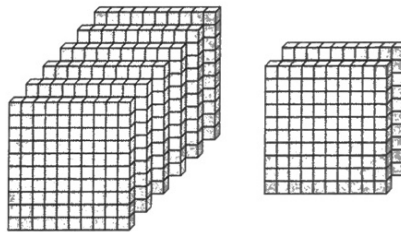
$$\begin{array}{r} 21 \\ 275 \\ \times 3 \\ \hline 25 \end{array}$$

Step 3:

Multiply the hundreds. Regroup if necessary.

What You Think

3×2 hundreds = 6 hundreds
 6 hundreds + 2 hundreds = 8 hundreds
No need to regroup.



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. 31×7 _____ 2. 29×4 _____ 3. 88×6 _____

4. 25×9 _____ 5. 102×8 _____ 6. 211×7 _____

7. 552×3 _____ 8. 471×9 _____ 9. 73×4 _____

10. 266×8 _____ 11. 390×2 _____ 12. 514×6 _____

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

Multiplying by 1-Digit Numbers

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

1. $58 \times 3 =$ _____

2. $49 \times 8 =$ _____

3. $83 \times 5 =$ _____

4. $95 \times 6 =$ _____

5. $273 \times 4 =$ _____

6. $35 \times 8 =$ _____

7. $789 \times 6 =$ _____

8. $643 \times 7 =$ _____

9.
$$\begin{array}{r} 68 \\ \times 2 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 582 \\ \times 5 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 84 \\ \times 4 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 926 \\ \times 7 \\ \hline \end{array}$$

13. Xavier painted five portraits and wants to sell them for 36 dollars each. How much money will he make if he sells all five? _____
14. A farmer wants to build a square pigpen. The length of one side of the pen is 13 ft. How many feet of fencing should the farmer buy? _____
15. Jasmine wants to buy 4 green bags for 18 dollars each and 3 purple bags for 15 dollars each. She has 100 dollars. How much more money does she need? _____
16. A regular octagon is a figure that has eight sides with equal lengths. If one side of a regular octagon is 14 inches long, what is the perimeter of the entire octagon?
- A 148 in. B 140 in. C 112 in. D 84 in.
17. Why is 2,482 not a reasonable answer for 542×6 ?
- _____
- _____
- _____