

Multiplying 2-Digit by 2-Digit Numbers

1.
$$\begin{array}{r} 54 \\ \times 17 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 36 \\ \times 20 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 53 \\ \times 12 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 48 \\ \times 46 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 37 \\ \times 83 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 62 \\ \times 17 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 91 \\ \times 49 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 28 \\ \times 56 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 70 \\ \times 39 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 58 \\ \times 90 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 97 \\ \times 42 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 64 \\ \times 88 \\ \hline \end{array}$$

13. A carton holds 24 bottles of juice. How many juice bottles are in 15 cartons?
-
- _____

14. How much do 21 bushels of sweet corn weigh?
-
- _____

Vegetable	Weight of 1 Bushel
Asparagus	24 lb
Beets	52 lb
Carrots	50 lb
Sweet corn	35 lb

15. How much do 18 bushels of asparagus weigh?
-
- _____

16. How much more do 13 bushels of beets weigh than 13 bushels of carrots?
-
- _____

17. Which of the following is a reasonable answer for
- 92×98
- ?

A 1,800

B 9,000

C 10,000

D 90,000

- 18.
- Writing to Explain**
- Garth is multiplying
- 29×16
- . He has 174 after multiplying the ones and 290 after multiplying the tens. Explain how Garth can find the final product.
-
- _____

Multiplying 2-Digit by 2-Digit Numbers

There are 24 cars in the race. Each car has a 13-person crew in the pit area. How many pit-area workers are at the race?

Step 1

Multiply the ones.
Regroup if necessary.

$$\begin{array}{r} 1 \\ 24 \\ \times 13 \\ \hline 72 \end{array}$$

Step 2

Multiply the tens.
Regroup if necessary.

$$\begin{array}{r} 1 \\ 24 \\ \times 13 \\ \hline 72 \\ 240 \end{array}$$

Step 3

Add the partial products.

$$\begin{array}{r} 1 \\ 24 \\ \times 13 \\ \hline 72 \\ 240 \\ \hline 312 \end{array}$$

$24 \times 13 = 312$, so there are 312 pit-area workers at the race.

1.
$$\begin{array}{r} 38 \\ \times 26 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 67 \\ \times 27 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 47 \\ \times 85 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 88 \\ \times 32 \\ \hline \end{array}$$

5. **Number Sense** Corina multiplied 62×22 and got a product of 1,042. Explain why Corina's answer is not reasonable.
