

4.NBT.B.5 Multiply 3 or 4-Digit Numbers by 2-Digit Numbers

4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers

1. Use place value and regrouping to find the product.

$$\begin{array}{r} 389 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} 405 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 3,961 \\ \times 28 \\ \hline \end{array}$$

$$\begin{array}{r} 4,981 \\ \times 54 \\ \hline \end{array}$$

$$\begin{array}{r} 7,369 \\ \times 33 \\ \hline \end{array}$$

$$\begin{array}{r} 5,090 \\ \times 82 \\ \hline \end{array}$$

$$\begin{array}{r} 198 \\ \times 77 \\ \hline \end{array}$$

$$\begin{array}{r} 2,820 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 632 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 8,152 \\ \times 78 \\ \hline \end{array}$$

2. The resort entrance fee is \$52 for a single day. There were 1,289 visitors last Sunday. How much money did the visitors spend on the resort entrance fee?
3. Average weight of a vehicle passing a bridge is 4,200 pounds. If 81 vehicles cross the bridge every minute, how much weight crosses the bridge every minute?
4. Manny pays a monthly apartment rent of \$1,468. If he will stay for 72 months in that apartment, how much money will he pay for rent?
5. Price of a lunch buffet at a Chinese restaurant is \$14.99. Price of a lunch buffet at a Thai restaurant is \$16.99. How much money does a party of 23 people save if they have lunch at the Chinese restaurant instead of the Thai restaurant?

Solution:

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1. Use place value and regrouping to find the product.

$$\begin{array}{r} 389 \\ \times 22 \\ \hline 8,558 \end{array}$$

$$\begin{array}{r} 405 \\ \times 12 \\ \hline 4,860 \end{array}$$

$$\begin{array}{r} 3,961 \\ \times 28 \\ \hline 110,908 \end{array}$$

$$\begin{array}{r} 4,981 \\ \times 54 \\ \hline 268,974 \end{array}$$

$$\begin{array}{r} 7,369 \\ \times 33 \\ \hline 243,177 \end{array}$$

$$\begin{array}{r} 5,090 \\ \times 82 \\ \hline 417,380 \end{array}$$

$$\begin{array}{r} 198 \\ \times 77 \\ \hline 15,246 \end{array}$$

$$\begin{array}{r} 2,820 \\ \times 19 \\ \hline 53,580 \end{array}$$

$$\begin{array}{r} 632 \\ \times 95 \\ \hline 60,040 \end{array}$$

$$\begin{array}{r} 8,152 \\ \times 78 \\ \hline 635,856 \end{array}$$

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Solution: \$67,028

Solution: 340,200 pounds

Solution: \$105,696

Solution: \$46