

Learn New Skills!

Name: _____



Long Multiplication

Level B: Make it easy by using hugs and kisses.



You know that you write 0 in the ones place before you multiply by the tens digit. This keeps your answer in line when you add the numbers. This is a hug: 0.

You kiss a number goodbye (X) so it doesn't confuse you later. That's how you use hugs and kisses in multiplication!

$$\begin{array}{r}
 47 \\
 \times 11 \\
 \hline
 47 \\
 + 470 \\
 \hline
 517
 \end{array}$$

$$\begin{array}{r}
 83 \\
 \times 11 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 22 \\
 \times 11 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 75 \\
 \times 11 \\
 \hline
 \end{array}$$

Practice hugs and kisses:

Write a hug (0) before you multiply by the tens digit. This hug holds your place value.

After you multiply by the ones digit, cross it off with a kiss (X). Just kiss that number goodbye, because you won't need it again.

$$\begin{array}{r}
 17 \\
 \times 11 \\
 \hline
 17 \\
 + 170 \\
 \hline
 187
 \end{array}$$

$$\begin{array}{r}
 54 \\
 \times 11 \\
 \hline
 \end{array}$$

Hugs and kisses make it easy!

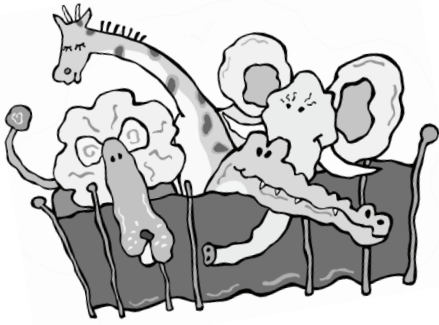
When you multiply by multi digit numbers later, you will use the same number of rows for the problem as the number of digits in the bottom of the problem. It will be important to use hugs correctly to keep the correct place value of the numbers.

$$\begin{array}{r}
 36 \\
 \times 11 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 72 \\
 \times 11 \\
 \hline
 \end{array}$$

It will be equally important to cross off numbers after you use them so you don't get confused.

Name: _____



Long Multiplication

B1: Multiply by 11 and practice “hugs and kisses” method of long multiplication. Regroup for addition.
Very important: leave space to write the numbers you will regroup when you add!

$$\begin{array}{r} 85 \\ \times 11 \\ \hline 85 \\ + 850 \\ \hline 935 \end{array}$$

- 1) Ones: $1 \times 5 = 5$. Write 5 in Row 1.
- 2) Tens: $1 \times 8 = 8$. Move left to write 8.
- 3) First the hug: place 0 in the ones place of Row 2.
- 4) Now the kiss: cross off the 1 in the ones place.
- 5) Multiply: $1 \times 5 = 5$. Write 5 to the left of the 0.
- 6) Multiply: $1 \times 8 = 8$. Move left to write 8.
- 7) ADD the numbers in Rows 1 & 2: 935

Leave **space to regroup** for addition below this line!

$$\begin{array}{r} 67 \\ \times 11 \\ \hline \end{array}$$

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

$$\begin{array}{r} 37 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ \times 11 \\ \hline \end{array}$$

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