

LONG MULTIPLICATION

Traditional Method

This is where we multiply by the units and the tens separately, then add the two rows together.

To calculate 158×67 :

First, multiply by 7 (units):

Then, add a zero on the right end of the next row. This is because we want to multiply by 60 (6 tens), which is the same as multiplying by 10 and by 6.

Now multiply by 6:

Now add your two rows together, and write your answer.

So the answer is **10,586**

Question 1

A box contains 36 tins of sweetcorn.

Each tin weighs 475 grams.

What is the total weight of the tins in the box.

The Answer

Did you get the answer **17100 grams**? If so, well done!

You needed to multiply by 6, add a zero and then multiply by 3, adding the two rows together.

If you had a problem, perhaps you need a little practice with your times tables? Here is a worked solution:

PRACTICE

$$\begin{array}{r} 78 \\ \times 5 \\ \hline 390 \end{array}$$

$$\begin{array}{r} 78 \\ \times 15 \\ \hline 390 \\ + 78 \\ \hline 1,170 \end{array}$$

$$\begin{array}{r} 93 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ \times 15 \\ \hline \end{array}$$

PRACTICE

$$\begin{array}{r} 78 \\ \times 5 \\ \hline 390 \end{array}$$

$$\begin{array}{r} 78 \\ \times 15 \\ \hline 390 \\ + 78 \\ \hline 1,170 \end{array}$$

$$\begin{array}{r} 93 \\ \times 5 \\ \hline 465 \end{array}$$

$$\begin{array}{r} 93 \\ \times 15 \\ \hline 465 \\ + 93 \\ \hline 1,395 \end{array}$$

**TRY MANY LONG MULTIPLICATION QUESTIONS
ON YOUR OWN. SEE THE FILE NAMED [long
multiplication practice worksheets.htm](#)**

***IF YOU ARE HAVING PROBLEMS ON A PARTICULAR
CALCULATION, EMAIL ME AT dkramer@babson.edu
AND I WILL WORK WITH YOU UNTIL YOU CAN
PUSH THE "EASY BUTTON"***