Max the Monkey's Long Multiplication Mastery

Learning objective: To multiply multi-digit numbers up to four digits by a two-digit whole number using the formal written method of long multiplication.

Use these flashcards to practise your long multiplication. Remember to use your place value holder (a zero) when multiplying by the tens digit! Ask a partner to hold the card so you can only see the question side first.

What is the first step when multiplying 24 x 13?	**Why do we place a zero in the units column before multiplying by the tens digit?**
Multiply 24 by the ones digit (3), then add a zero place holder and multiply 24 by the tens digit (10).	Because we are multiplying by a value ten times larger than the units digit.
Calculate: 125 x 12	**Max has 15 boxes of bananas, each containing 24 bananas. How many bananas are there in total?**
1,500	360
Calculate: 342 x 23	**If a cinema ticket costs £14, how much would it cost for a school group of 45 children?**
7,866	£630
Calculate: 506 x 15	**What is the product of 112 and 34?**
7,590	3,808
True or False: When multiplying by a two-digit number, you must always add your two partial products together to get the final answer.	**Calculate: 231 x 21**
True.	4,851
If 1kg of apples costs £2, how much would 1,250kg of apples cost in total?	**Calculate: 412 x 13**
£2,500	5,356