

Max's Multiplication Marathon

Learning objective: To multiply numbers up to 4 digits by a 2-digit number using the formal written method of long multiplication.

Help Max the monkey solve these maths puzzles! Show your working out clearly for each calculation to earn full marks. Remember to include your place value holder (zero) when multiplying by the tens digit.

Max is organising a jungle fruit festival. He needs to calculate the total number of items for his supplies. Use your long multiplication skills to help him finish his inventory.

Word bank: multiplicand · multiplier · product · place value · column · calculation · regrouping · zero

1. Max has 24 crates of bananas. Each crate contains 125 bananas. How many bananas does Max have in total? (2 marks)

2. The zebra community ordered 32 packs of art paper. If each pack contains 450 sheets, how many sheets of paper are there altogether? (2 marks)

3. Calculate 67×342 . Show your long multiplication steps. (3 marks)

4. The elephant herd needs 15 bags of peanuts. Each bag costs £14. What is the total cost for the peanuts? (2 marks)

5. Max multiplies a 3-digit number by a 2-digit number. The product is 4,500. If one of the numbers is 25, what is the other number? (3 marks)

Draw: Draw a pile of 24 crates stacked neatly in the jungle, with Max the monkey standing next to them holding a clipboard and a pencil.



Extension challenge: Max finds a crate with 1,245 mangoes. If he buys 28 of these crates, how many mangoes will he have? Write your own word problem using a 4-digit number multiplied by a 2-digit number.