

Max's Multiplication Marathon

Learning objective: To multiply numbers up to 4 digits by a one-digit or two-digit number using a formal written method, including long multiplication for multiplying by two-digit numbers.

Read each problem carefully. Use your formal written multiplication method (short or long multiplication) to calculate the answers. Show all your working out to gain full marks.

Max the monkey loves to organize his collection of fruit for his friends. He keeps track of everything using his math notebook.

Word bank: product · multiply · carry · place value · column · calculate · total

1. Max has 14 crates of bananas. Each crate holds 26 bananas. How many bananas does Max have in total? (2 marks)

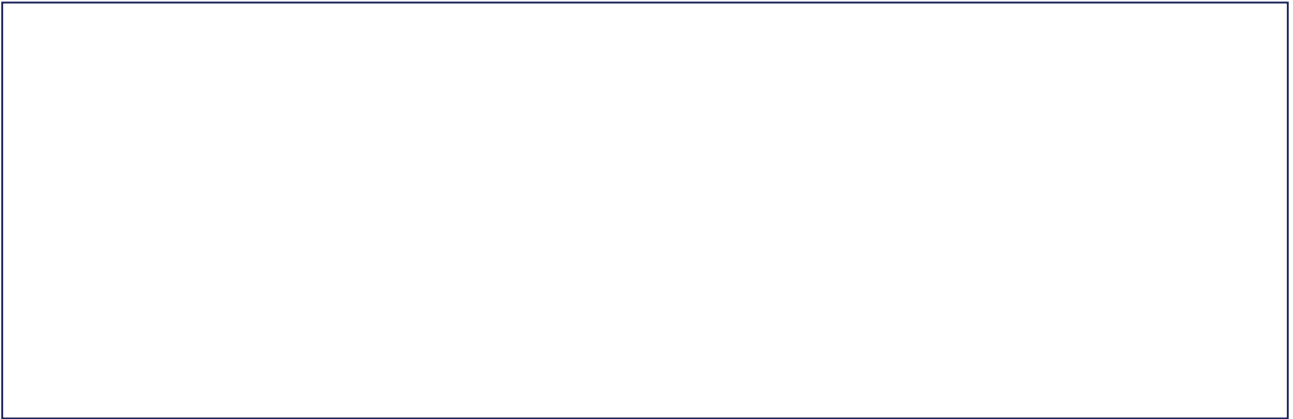
2. Ellie the elephant buys 1,245 bags of peanuts for the safari feast. If each bag costs £4, what is the total cost of the peanuts? (2 marks)

3. Calculate the product of 38 and 42. Show your long multiplication steps. (3 marks)

4. Kit the fox is buying new computer parts. He buys 12 motherboards at £85 each. How much change would Kit get from £1,200? (3 marks)

5. Zara the zebra is painting patterns on 215 tiles. Each tile takes her 7 minutes to paint. How many minutes will it take her to finish all the tiles? (2 marks)

Draw: Draw a small orchard scene where Max is stacking crates of fruit, with labels showing the numbers from Question 1.



Extension challenge: Max has 45 boxes of mangoes. If each box contains 12 mangoes, and he shares them equally between 9 friends, how many mangoes does each friend receive? Explain your method.