

# Max's Mathematical Multiplication Mission

*Learning objective: To demonstrate fluency in multiplication facts up to  $12 \times 12$  and apply these to solve multi-step problems.*

Help Max the Monkey organise his jungle supplies! Complete the sections below to show your mastery of times tables. Use your knowledge of factors, multiples, and the relationship between multiplication and division to solve Max's puzzles.

*Word bank: Product · Multiple · Factor · Divisor · Equation · Calculation · Mental maths*

**1. Max's Quick-Fire Challenge: Choose a times table you find tricky. List the first 12 multiples and explain a strategy you use to remember them (e.g., doubling or using a known fact). (3 marks)**

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**2. The Banana Market: Max bought 14 bunches of bananas at £6 per bunch. Show your working out for the total cost. How would you calculate this if the price rose to £7 per bunch? (3 marks)**

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**3. Missing Factor Detective: If the product is 132, identify two factors that could be multiplied together to reach it. Explain how you found your answer using division. (3 marks)**

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**4. The Pattern Seeker: Describe the relationship between the 4 times table and the 8 times table. How can you use the 4s to solve problems involving the 8s? (2 marks)**

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**5. Jungle Word Problem: Create your own multiplication word problem involving Max buying supplies for his friends. Include the calculation and the final answer in pounds and pence (£). (4 marks)**

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*Extension challenge: Challenge: Try to calculate  $12 \times 14$  using the partitioning method. Write down the two smaller equations you used to reach the final product.*