

Max's Mathematical Marathon: Year 6 Times Tables Assessment

Learning objective: To demonstrate fluency in multiplication and division facts up to 12×12 and apply these skills to solve multi-step problems.

Read each question carefully. Show your working out in the space provided to gain method marks. Remember to include units like £ where necessary.

Max the monkey is preparing for the Great Jungle Fruit Sale. He needs to organise his supply of mangoes, bananas, and coconuts to ensure every animal gets a fair share. He is using his knowledge of times tables to keep his inventory in order.

Word bank: Product · Multiple · Factor · Quotient · Divisor · Calculation

1. Max has 8 baskets of mangoes. Each basket contains 12 mangoes. How many mangoes does he have in total? Show your calculation. (2 marks)

2. Max needs to divide 144 coconuts equally among 12 animal friends. How many coconuts will each friend receive? (2 marks)

3. Identify all the factors of 48. Explain how you found them. (3 marks)

4. A bunch of bananas costs £0.70. If Max buys 9 bunches for his friends, what is the total cost? Show your working. (3 marks)

5. Max sells 7 baskets of fruit at £8.50 each and 4 baskets at £9.00 each. Calculate the total profit Max makes from these sales. (4 marks)

6. Max claims that if you multiply any number by 12, the answer will always be an even number. Is Max correct? Use examples to justify your reasoning and explain the pattern you observe. (6 marks)

7. Write a word problem involving a multiplication calculation that results in the answer 132. Include the context of Max buying fruit for his jungle friends. (5 marks)

Draw: Draw a sketch of Max the monkey standing next to a pile of fruit baskets, labelling your drawing with the multiplication sentences that represent the total amount of fruit.



Extension challenge: Total: /25