

Max's Multiplication Mastery Word Mat

Learning objective: To recall and use multiplication and division facts for multiplication tables up to 12 x 12.

Max the monkey has been busy gathering coconuts! Use this word mat to help you solve his multiplication puzzles. Remember to use the vocabulary list to help you understand the parts of a multiplication sum.

Max the monkey is organising his fruit stall for the jungle market. He has 8 baskets, and each basket holds 7 bright yellow bananas. Max loves using maths to keep his stall tidy! He says, 'If I know my 7 times table, I can quickly find the product of 8 and 7 to know exactly how many bananas I have for my customers. It is just like solving a puzzle!' Max is also practising his division. He knows that if he has 56 bananas and wants to share them equally between 8 friends, he can use the inverse operation to find the answer.

Word bank: Product · Multiple · Factor · Array · Equation · Times · Groups of · Inverse

1. Max has 8 baskets with 7 bananas in each. Write the multiplication equation to show how many bananas Max has in total. (2 marks)

2. Using your knowledge of the 7 times table, what is the product of 7 multiplied by 9? (1 mark)

3. If Max has 48 coconuts and puts them into groups of 6, how many groups will he have? Show your working. (2 marks)

4. Explain what the word 'inverse' means when talking about multiplication and division. (2 marks)

5. Zara the zebra wants to buy 4 bunches of flowers. Each bunch costs £6. How much will Zara spend in total? (2 marks)

Draw: Draw an array of 5 rows and 4 columns of apples to show the calculation $5 \times 4 = 20$.



Extension challenge: Max has 72 coconuts. He wants to arrange them in equal rows. Can you list three different ways he could arrange them (e.g., how many rows and how many in each row) using your 12 times table knowledge?