

Max's Multiplication Mountain

Learning objective: To recall and use multiplication tables for the 6, 7, 9, 11 and 12 multiplication tables.

Read Max the monkey's tips below and use your knowledge of times tables to solve the challenges on the mountain path.

Max the monkey is climbing Multiplication Mountain! He knows that multiplication is just repeated addition. If he finds 7 bunches of bananas and each bunch has 6 bananas, he calculates $7 \times 6 = 42$ to find the total. Max reminds us that if you know your 12 times tables, you are ready for any puzzle! Remember: the order of the numbers doesn't change the product, so 6×7 is the same as 7×6 .

Word bank: product · multiple · factor · array · calculation

1. Max finds 8 boxes of craft supplies. Each box costs £6. How much do the boxes cost in total? Show your working. (2 marks)

2. Complete the calculation: $9 \times 4 = ?$ (1 mark)

3. If a pack of stickers costs £12 and you buy 5 packs, how much change would you get from a £100 note? (2 marks)

4. Zara the zebra has 7 rows of 11 paint pots. How many paint pots does she have altogether? (2 marks)

5. Explain why 6×9 is the same as 9×6 . Use the word 'factor' in your answer. (2 marks)

Draw: Draw an array showing 4 rows of 6 apples to help Max solve his snack puzzle.



Extension challenge: Max has 144 items to sort into groups. Can you find three different ways he could group them using multiplication? (For example: 12 groups of 12).