

Max the Monkey's Maths Adventure: Factors and Multiples

Learning objective: To identify factors and multiples, and use them to solve simple maths puzzles.

Read each question carefully. Use the word bank to help you. Write your answers in the boxes provided.

Max the Monkey is here to help you!

Max the Monkey loves to share his fruit. He has 12 bananas. He likes to arrange them into equal groups. If he puts them into groups of 3, he has 4 groups. This means 3 and 4 are factors of 12. He also loves jumping on lily pads, landing on every 4th pad, which shows him the multiples of 4: 4, 8, 12, 16...

Word bank: Factor · Multiple · Divide · Times table · Product

1. Max has 8 apples. List all the factors of 8. (Hint: What numbers multiply together to make 8?) (2 marks)

2. Is 15 a multiple of 5? Circle Yes or No and explain why. (3 marks)

3. Max finds 3 bags of coins. Each bag has £4 in it. How much money does he have in total? Is this total a multiple of 4? (4 marks)

4. Write down the first 5 multiples of the number 3. (5 marks)

5. Max has 10 stickers. He wants to share them equally between some friends. List two different ways he can share them so there are no stickers left over. (6 marks)

6. Write a short sentence explaining the difference between a factor and a multiple. Use the word bank to help you. (5 marks)

Draw: Draw 12 circles in rows to show that 3 is a factor of 12.



Extension challenge: Total: /25. Challenge: Can you find a number that is a multiple of both 2 and 3?