

Max the Monkey's Factor and Multiple Hunt

Learning objective: To identify factors and multiples of numbers up to 100.

Help Max the Monkey solve these puzzles. Read each question carefully. Use the word bank if you get stuck. Write your answers in the boxes provided.

Word bank: Factor: A number that divides exactly into another. · Multiple: The result of multiplying a number by an integer. · Divide: To split into equal parts. · Multiply: To add a number to itself many times.

1. Max has 12 bananas. List all the factor pairs of 12. (Hint: $1 \times 12 = 12$) (2 marks)

2. Circle the numbers that are multiples of 5: 10, 12, 15, 18, 20, 24. (2 marks)

3. Is 8 a factor of 24? Explain how you know. (2 marks)

4. Max jumps 3 steps at a time. Write down the first four multiples of 3. (2 marks)

5. Find a number that is a multiple of 2 and a multiple of 10. Write it here: _____ (2 marks)

Draw: Draw Max the Monkey standing next to a pile of 12 bananas arranged in 3 equal rows.

Extension challenge: Can you find a number that has 7 as a factor? Write it down and show your working out.