

Max the Monkey's Factor Fun

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

Read the information below. Use the word bank to help you answer the questions. Follow the steps for each puzzle.

Max the Monkey loves maths puzzles! He knows that a factor is a number that divides into another number exactly, with no remainder. For example, 2 is a factor of 8 because $8 \div 2 = 4$. A multiple is what you get when you multiply a number by a whole number. 10 is a multiple of 5 because $5 \times 2 = 10$.

Word bank: Factor · Multiple · Divide · Multiply · Remainder

1. Max has 6 bananas. List all the factors of 6. (Hint: Think of the times tables that make 6). (2 marks)

2. Is 12 a multiple of 3? Explain how you know by using a times table fact. (2 marks)

3. Find two factors of 10. Write them here: ____ and _____. (2 marks)

4. Write the first three multiples of 4 (start with 4×1). (2 marks)

Draw: Draw a picture of Max the Monkey holding 8 apples. Group the apples into two equal piles to show that 2 is a factor of 8.



Extension challenge: Can you find a number that has 5 as a factor? Write it down and show Max your answer.