

Max's Prime Number Maze

Learning objective: To identify and understand prime numbers up to 100.

Max the monkey is trying to find the path through the jungle. He can only step on stones that are Prime Numbers. A prime number is a number greater than 1 that has only two factors: 1 and itself. Help Max by identifying the prime numbers from the list below and marking them with a tick. If the number is composite (not prime), explain why by listing one of its other factors.

Word bank: Prime · Composite · Factor · Multiple · Divisible

1. Is 17 a prime number? Tick yes or no and explain your reasoning. (2 marks)

2. Look at the number 21. Is it a prime number? If not, what are its factors other than 1 and 21? (2 marks)

3. Max finds the number 2. He says it is the only even prime number. Is Max correct? (2 marks)

4. Circle the prime numbers in this set: 9, 13, 27, 29, 35, 41. (2 marks)

5. If Max has £11 to spend on bananas, is the number 11 a prime number? How do you know? (2 marks)

Draw: Draw a path of stepping stones through a jungle. Write a prime number on each stone Max is allowed to step on, and a composite number (like 4, 6, or 9) on the stones he must avoid.



Extension challenge: Challenge: Can you find all the prime numbers between 50 and 100? Write them down and check if any of them end in the digit 5.