Max the Monkey's Prime Number Challenge

Learning objective: To identify, define, and apply knowledge of prime numbers up to 100.

Use these flashcards to test your knowledge of prime numbers. Read the front, try to answer, then check your answer against the definition or value provided.

What is the definition of a prime number?	**Is the number 1 a prime number?**
A prime number is a whole number greater than 1 that has only two factors: 1 and itself.	No, 1 is not a prime number because it only has one factor (itself).
What is the only even prime number?	**List the prime numbers between 1 and 10.**
2 is the only even prime number, as all other even numbers can be divided by 2.	2, 3, 5, 7.
Is 9 a prime number? Why or why not?	**Which of these numbers are prime: 11, 15, 17, 21?**
No, 9 is not prime because it has three factors: 1, 3, and 9.	11 and 17 are prime.
Max the monkey has 13 bananas. Is 13 a prime number?	**What do we call a number that has more than two factors?**
Yes, 13 is a prime number as it has no factors other than 1 and 13.	A composite number.
True or False: All prime numbers are odd.	**Is 51 a prime number? (Hint: add the digits together)**
False. 2 is a prime number and it is even.	No. 5 + 1 = 6. Since 6 is divisible by 3, 51 is also divisible by 3 (3 x 17 = 51).
Identify the prime number in this list: 25, 27, 29, 33.	**If a number is prime, how many factors does it have?**
29.	Exactly two factors: 1 and the number itself.