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?

A prime number is a whole number greater than 1 that has only two factors: 1 and itself.

Is the number 1 a prime number?

No, 1 is not a prime number because it only has one factor (itself).

What is the only even prime number?

2 is the only even prime number, as all other even numbers can be divided by 2.

List the prime numbers between 1 and 10.

2, 3, 5, 7.

Is 9 a prime number? Why or why not?

No, 9 is not prime because it has three factors: 1, 3, and 9.

Which of these numbers are prime: 11, 15, 17, 21?

11 and 17 are prime.

Max the monkey has 13 bananas. Is 13 a prime number?

Yes, 13 is a prime number as it has no factors other than 1 and 13.

What do we call a number that has more than two factors?

A composite number.

True or False: All prime numbers are odd.

False. 2 is a prime number and it is even.

Is 51 a prime number? (Hint: add the digits together)

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.

29.

If a number is prime, how many factors does it have?

Exactly two factors: 1 and the number itself.