

Max the Monkey's Factors and Multiples Challenge

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

Read the front of the flashcard to test your knowledge. Flip it over (or read the answer provided) to check if you are correct. Max the Monkey has helped design these to help you master your times tables and number properties!

What is a factor?

A factor is a number that divides into another number exactly, with no remainder.

What are the factors of 12?

1, 2, 3, 4, 6, and 12.

What is a multiple?

A multiple is the result of multiplying a number by an integer (a whole number). It is like a number in that number's times table.

What are the first four multiples of 7?

7, 14, 21, and 28.

Is 24 a multiple of 6? Explain why.

Yes, because 6 multiplied by 4 equals 24.

List all the factor pairs of 10.

1 x 10 and 2 x 5.

True or False: 5 is a factor of 32.

False. 32 cannot be divided by 5 without a remainder.

Max has 20 bananas. Can he share them equally into groups of 3?

No, because 20 is not a multiple of 3 ($3 \times 6 = 18$, $3 \times 7 = 21$).

If a pineapple costs £4, how much would 7 pineapples cost? (Find the multiple).

£28.

Which number is a factor of every whole number?

1.

What is the common factor of 8 and 12?

1, 2, and 4.

Is 0 a multiple of 5?

Yes, because $5 \times 0 = 0$.