

# Number Explorer Missions



**Look for Twenty-four and Twenty-three's Numberlings when you are out and about**



**Look for rectangle-shaped objects in your home. How many can you find?**



**Make a rectangle with leaves and stones. How tall and how wide is your rectangle?**



**Use the same number of leaves and stones to make other rectangles. How many can you make?**



## Play Together

**Prime Positions.** Using pieces of pasta, work with your little learner to make rectangular arrays of numbers up to 23. How far can you get? Can you find any numbers, like 23, that can only make rectangles in their prime positions (1 tall or 1 wide)? Make a note of any you find.

For your next mission, find the episode 'Making Patterns'

# How Rectangly

This mission belongs to \_\_\_\_\_

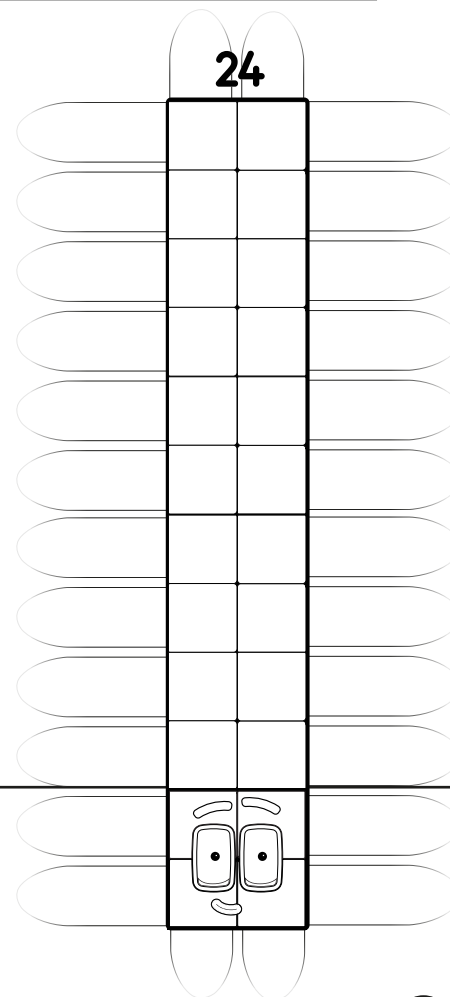
Can you see the rays coming out of Numberblock Twenty-four?

How many blocks wide is Numberblock Twenty-four?

How many blocks tall?

I'm 2 by 12.

24



Numbers to 50



Primes and rectangles




How Rectangly

# Spot the Rectangle

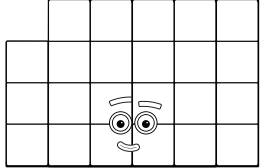
2

Seeing what rectangles a number can make, really helps figure them out. How many rectangle arrays can Twenty-three make? Tick them all. 23

23

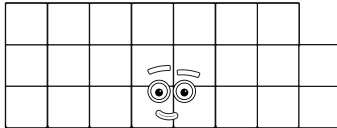


23




This isn't quite a complete rectangle.

23



23



Four checkboxes are provided for each array: one for the vertical numberblock, one for the 5x5 array, one for the 4x6 array, and one for the horizontal numberblock.

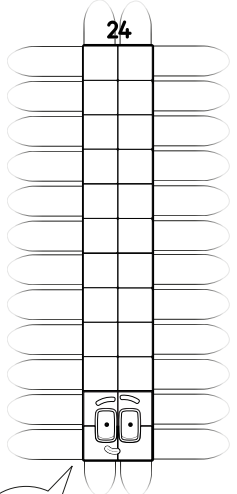


# Array Rays

3

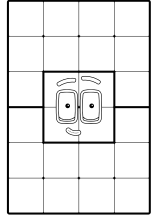
Draw rectangle rays for each of Twenty-four's arrays. How tall and how wide is each array?

24

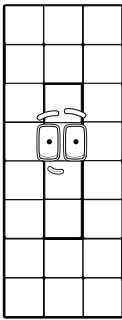


I'm 2 by 12

24



24



Who is it?

Which Numberblock can make this rectangle?

Say their name and try writing their Numberling.