

# Number Explorer Missions



Find some grid paper! Try drawing a rectangle that is 2 by 3 squares and 3 by 2 squares. Can you see how you have the same number of squares in both shapes? Try with bigger rectangles too!



Use chalk to draw a grid on the pavement outside, like 2 by 2. Can you hop across the grid, counting each square as you go? 1, 2 across, then 1, 2 down. Try with a bigger grid too!



Look for grids when you're out and about! How about on buildings? Count the number of windows in each row, and how many rows there are!



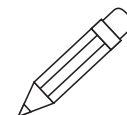
## Play Together

Pretend you are repairing a satellite in space, just like One! Use books to create different grids. Your grown-up shouts how many books in a row, and how many rows, like 3 by 5. Can you quickly arrange the books into this formation?

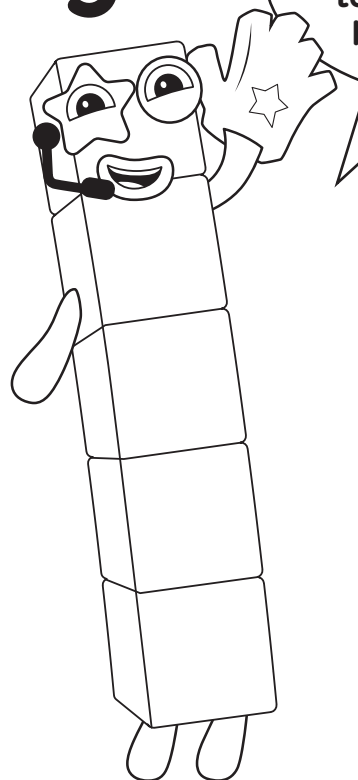
For your next mission, find the episode 'Capacity for Magic'

# Space Repair

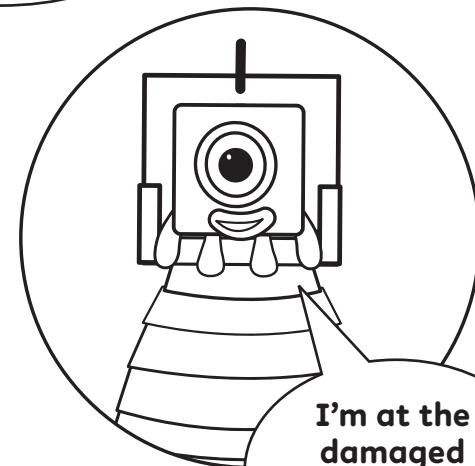
This mission belongs to \_\_\_\_\_



5



The Pattern Palace light show is about to begin... but we have no signal!



I'm at the damaged space satellite. I'll fix it!



Up to 20



Multiplication



Space Repair

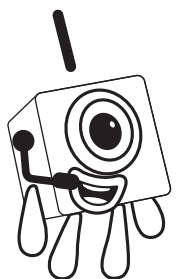
# Space satellite

Can you help One work out the missing tiles?

2

Once you have worked out the missing tiles, draw a line from these groups of tiles to each empty space.

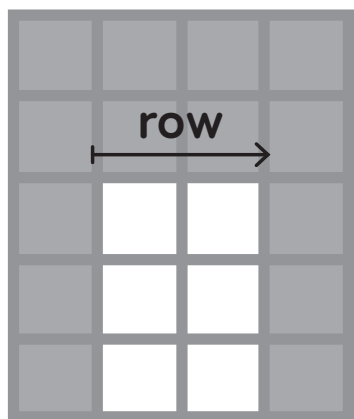
3



There are 3 rows of 2 tiles missing!

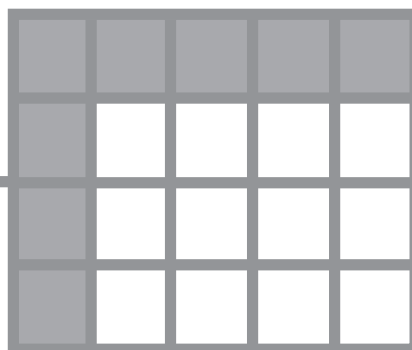
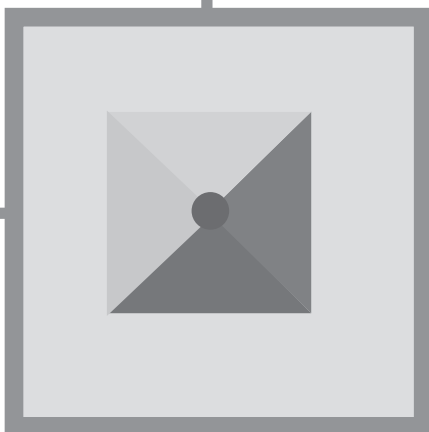
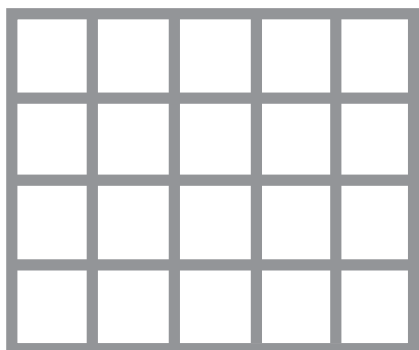
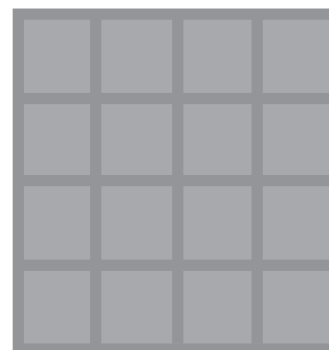
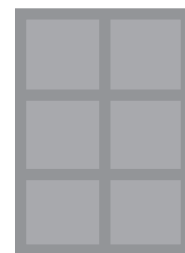
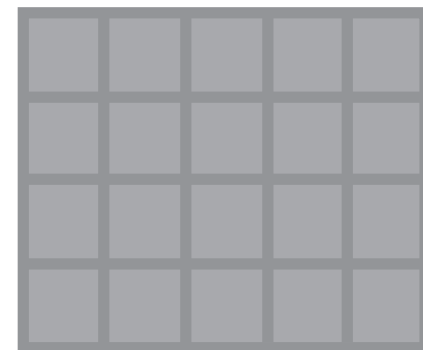
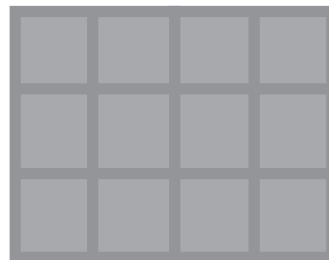
$$3 \times 2 =$$

6



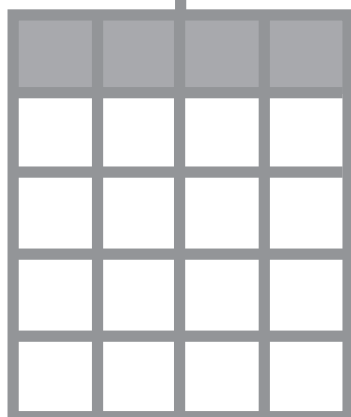
Now you try to help work this one out. How many squares in each row?

$$3 \times \square = 12$$



How many missing tiles are there?

$$4 \times 5 =$$



How many rows are there?

$$\times 4 = 16$$

Numberland

5

The light show is back on!

