Explore together

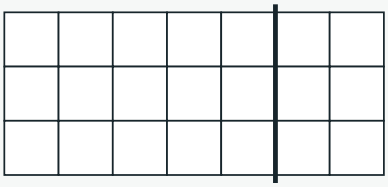
Split an Array to Multiply

Split an array into two rectangles and show that the total stays the same.

Get ready: Identical blocks or grid paper and a pencil.

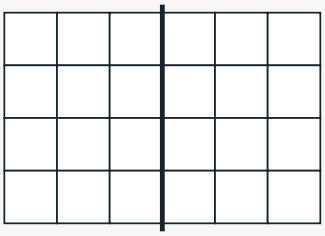
01 Split each row into 5 and 2

Start with 3 rows of 7. Split each row into 5 and 2.
The left part has 3 × 5 = 15. The right part has 3 × 2 = 6.
Both parts together have 15 + 6 = 21 squares.



02 Try two equal parts

Start with 4 rows of 6. Split each row into 3 and 3.
Both parts have 4 rows of 3, so 12 + 12 = 24.



Ask as you play

“Can you show me how you know?” Let your child point, build, draw or tell.