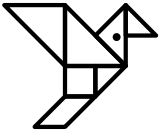


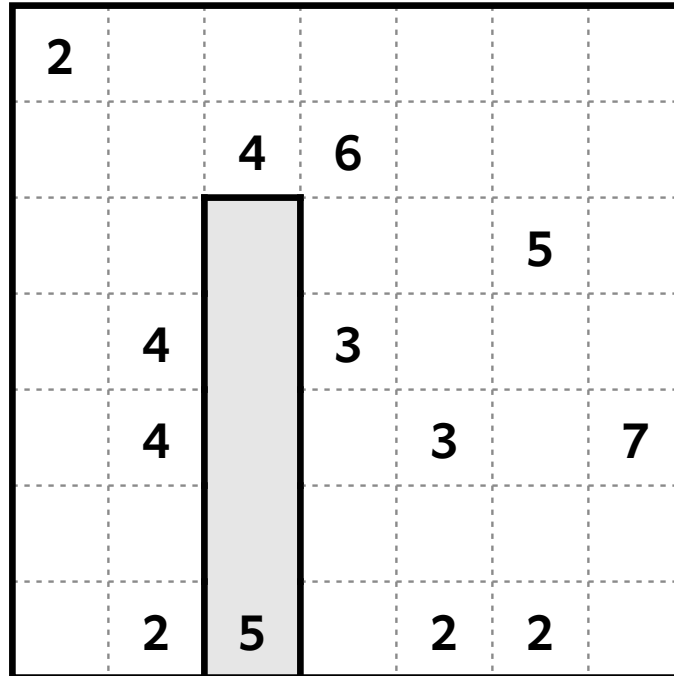


Learn a new puzzle

Rectangle Split



Draw rectangles. Each holds one number: its count of squares.



- 1 Look for big numbers near a corner or an edge: they have few ways to fit.
- 2 A square only one number can reach belongs to that number.
- 3 12 can be 2 rows of 6, 3 rows of 4, 4 rows of 3 or 6 rows of 2.



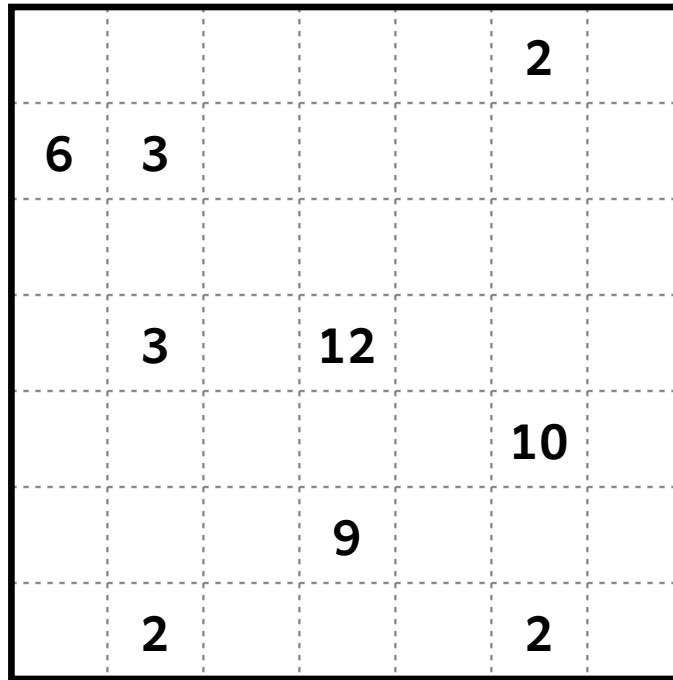
Why can the 5 only go one way?



1

Rectangle Split

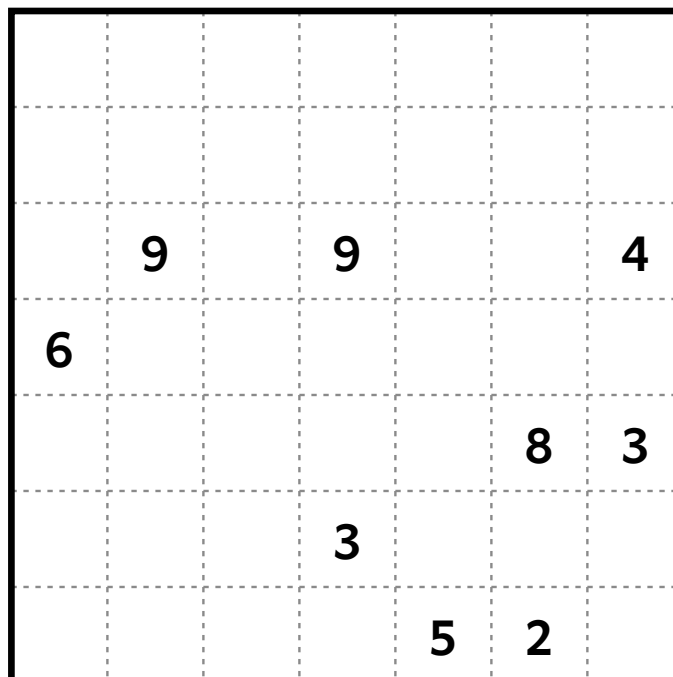
Draw rectangles. Each holds one number: how many squares it has.



2

Rectangle Split

Draw rectangles. Each holds one number: how many squares it has.

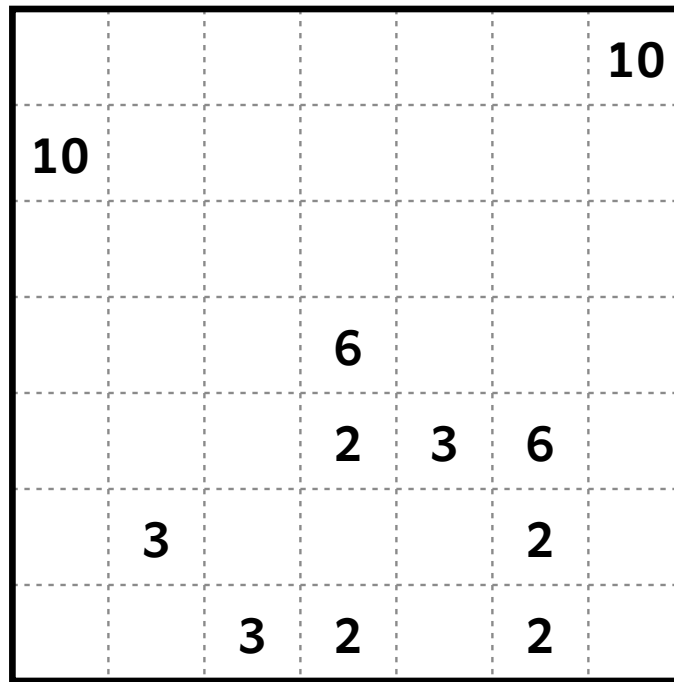




3

Rectangle Split

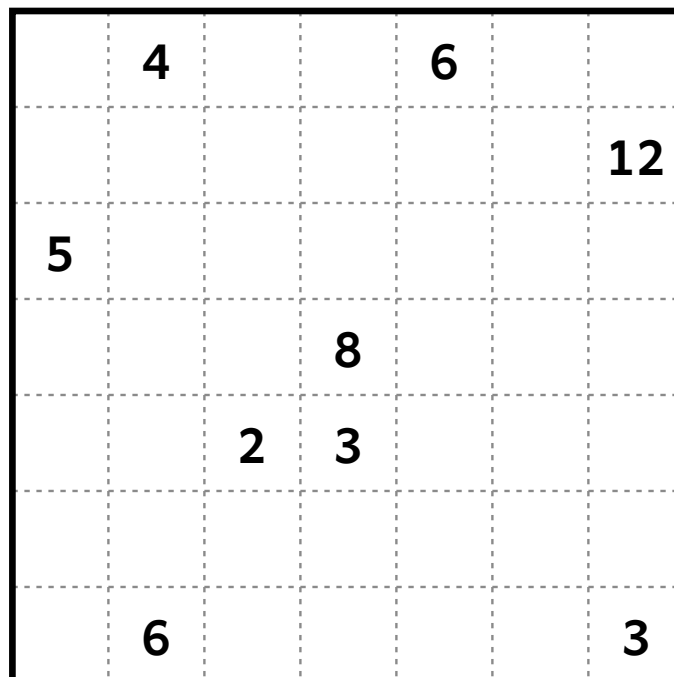
Draw rectangles. Each holds one number: how many squares it has.



4

Rectangle Split

Draw rectangles. Each holds one number: how many squares it has.





5

Rectangle Split

Draw rectangles. Each holds one number: how many squares it has.



				10			2
		3		6	8		
							8
12							
						3	
				3			3
3			3				



6

Rectangle Split

Draw rectangles. Each holds one number: how many squares it has.



6					3		
	14						12
			12				
			2	2			
				6			
2			3				2



7

Rectangle Split

Draw rectangles. Each holds one number: how many squares it has.



		6				4	
	6				3	5	
					4		
			8				
		2					5
8		2		8			
							3



8

Rectangle Split

Draw rectangles. Each holds one number: how many squares it has.



4						4	
				7	3		
5							5
			12		4		
						3	
	7						3
2		3				2	



9

Rectangle Split

Draw rectangles. Each holds one number: how many squares it has.



				4			
					3		
	12			4			
							8
				3			2
			20				2
					4		2



10

Rectangle Split

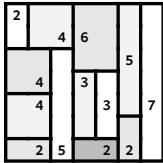
Draw rectangles. Each holds one number: how many squares it has.



		6					
4						6	5
	12		8				
						2	
						2	
			8				
				2		9	

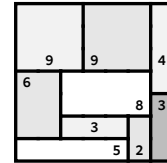
**Answers** For grown-ups. Cut off or keep this page aside until the puzzles are done.**Learn · Rectangle Split**

#1



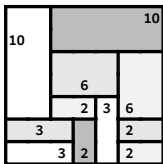
Start with the 9: only one rectangle of 9 squares fits there: 3 rows of 3.

#2



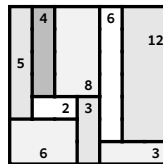
Start with the 9 in column 2: only one rectangle of 9 squares fits there: 3 rows of 3. Only the 9 in column 4 can reach the empty square in row 1, column 4.

#3



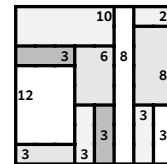
Start with the 6 in row 5: only one rectangle of 6 squares fits there: 3 rows of 2.

#4



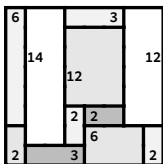
Start with the 12: only one rectangle of 12 squares fits there: 6 rows of 2. Only the 12 can reach the top-right corner square.

#5



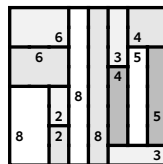
Start with the 8 in row 4: only one rectangle of 8 squares fits there: 4 rows of 2. Only the 8 in row 4 can reach the empty square in row 3, column 8.

#6



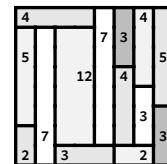
Start with the 6 in row 1: only one rectangle of 6 squares fits there: one column of 6. Only the 12 in row 3 can reach the empty square in row 2, column 8.

#7



Start with the 3 in row 8: only one rectangle of 3 squares fits there: one row of 3. Only the 6 in row 2 can reach the empty square in row 1, column 3.

#8



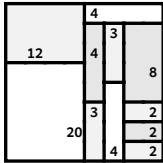
Start with the 4 in column 7: only one rectangle of 4 squares fits there: one column of 4. Only the 12 can reach the empty square in row 2, column 3.



Answers

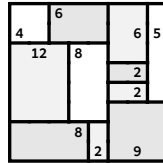
For grown-ups. Cut off or keep this page aside until the puzzles are done.

#9



Start with the 20: only one rectangle of 20 squares fits there: 5 rows of 4. Some squares are covered by the 8 whichever way it goes, so the 2 in row 6 cannot use them.

#10



Start with the 9: only one rectangle of 9 squares fits there: 3 rows of 3. Some squares are covered by the 6 whichever way it goes, so the 8 in row 3 cannot use them.