17x13

Area Model

	13	
	10	10
	X	X
	10	3
		=
17	100	30
17	100	30
17	100	30
17		
	100	7
	7	7
	7 X	7 X
	7 X 10 =	7 X 3
	7 X 10	7 X 3

100 + 70 + 30 + 21 = 221

The area model is based on arrays. We can separate a bigger area into smaller parts and then add them up to find the final product. In this example, we see that a 17 x 13 array can be separated into 10 x 10, 10 x 7, 10 x 3, and 3 x 7.