

Project name : Solve it like a Mondrian (Harder) ^

Observations and doodles																	
<div style="border: 2px solid black; padding: 10px; margin-bottom: 10px;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 12.5%; height: 40px;"></td> <td style="width: 25%; background-color: red; color: white; font-weight: bold;">20</td> <td style="width: 12.5%; background-color: lightblue; color: black; font-weight: bold;">14</td> <td style="width: 12.5%; height: 40px;"></td> </tr> <tr> <td style="background-color: lightblue; color: black; font-weight: bold;">12</td> <td style="height: 40px;"></td> <td style="height: 40px;"></td> <td style="background-color: yellow; color: black; font-weight: bold;">?</td> </tr> <tr> <td style="background-color: pink; color: black; font-weight: bold;">8</td> <td style="height: 40px;"></td> <td style="background-color: lightgreen; color: black; font-weight: bold;">15</td> <td style="height: 40px;"></td> </tr> <tr> <td style="height: 40px;"></td> <td style="background-color: cyan; color: black; font-weight: bold;">25</td> <td style="height: 40px;"></td> <td style="background-color: orange; color: black; font-weight: bold;">21</td> </tr> </table> </div> <p>A rectangle is divided into 16 smaller rectangles, the areas of seven of which are known to us by the numbers in the figure (which is not drawn to scale).</p> <p>What is the area of the yellow rectangle?</p>		20	14		12			?	8		15			25		21	
	20	14															
12			?														
8		15															
	25		21														
Wrong answers and guesses (Goldilocks)																	

^ Source: Brilliant.org:

<https://brilliant.org/weekly-problems/2017-06-26/intermediate/?problem=rectangles-in-rectangle>

Solve + explain

	20	14	
12			?
8		15	
	25		21