Mr. Smith is having some photos enlarged for his studio. He wants to enlarge a photo that is 5 inches by 7 inches so the dimensions are 3 times larger than the original. How many times larger than the original photo will the area of the new photo be?

Step 1: Answer

9 times larger

Step 2: Detailed Explanation

The explanation is simple and clear: all you have to do to get 15 and 21 inches in length and width is multiply 7 by 3 and 5 by 3. You add these numbers together, so the initial length and breadth (l x w), which are 5 and 7, equal 35 when multiplied together.

From this point, you multiply 15 by 21 =315

35 divided by 315.

So, answer is 9

Hence 9 times larger than the original photo will the area of the new photo be