## Unit 5 Lesson 7 Cumulative Practice Problems

1. Here is a rectangle that has been partitioned into four smaller rectangles.
* 
* For each expression, choose the sub-rectangle whose area, in square units, matches the expression.
	1. $3⋅(0.6)$
	2. $(0.4)⋅2$
	3. $(0.4)⋅(0.6)$
	4. $3⋅2$
1. Here is an area diagram that represents $(3.1)⋅(1.4)$.
* 
	1. Find the areas of sub-rectangles A and B.
	2. What is the area of the 3.1 by 1.4 rectangle?
1. Draw an area diagram to find $(0.36)⋅(0.53)$. Label and organize your work so that it can be followed by others.
2. Find each product. Show your reasoning.
	1. $(2.5)⋅(1.4)$
	2. $(0.64)⋅(0.81)$
3. Complete the calculations so that each shows the correct sum.
* 
* (From Unit 5, Lesson 3.)
1. Diego bought 12 mini muffins for $4.20.
	1. At this rate, how much would Diego pay for 4 mini muffins?
	2. How many mini muffins could Diego buy with $3.00? Explain or show your reasoning. If you get stuck, consider using the table.

|  |  |
| --- | --- |
| * number ofmini muffins
 | * price indollars
 |
| * 12
 | * 4.20
 |
|  |  |
|  |  |
|  |  |

* (From Unit 2, Lesson 12.)



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