Name:_____ Date:_____

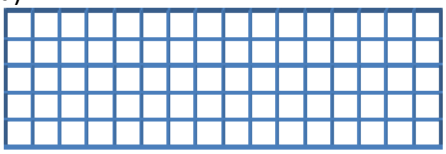
Math 8 Homework Assignment Section 1.2 Multiplying Integers with Area Model:

1. Multiply each of the following without a calculator:

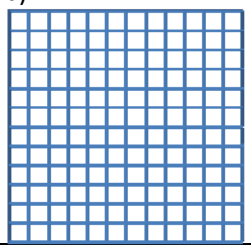
a) 8×10	b) 9×11	c) 3×12	d) 4×11
e) 4×13	f) 5×12	g) 4×20	h) 6×13
i) 9×27	j) 8×26	k) 7×17	L) 4×43

2. If each little square has a side length of 1, then what is the area of each of the following shapes?

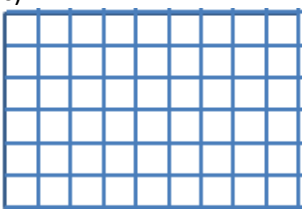
a)



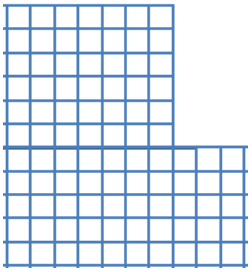
b)



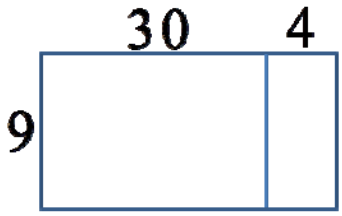
c)



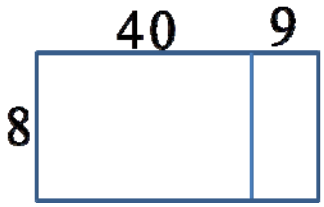
d)



e)



f)



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3. Multiply each of the following using the area model:

a) 9×21	b) 6×18	c) 8×29
d) 7×36	e) 7×49	f) 3×28
g) 8×71	h) 7×64	i) 3×89

4. Identify one strategy that you can use whenever you multiply a number with 9, 99, 999, and 9999. Explain your strategy.

5. If the area of a rectangle is $36m^2$ and all sides are integer lengths, then how many ways can this rectangle be drawn?

6. If the perimeter of a rectangle is 60meters long, then what is the largest possible area?

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