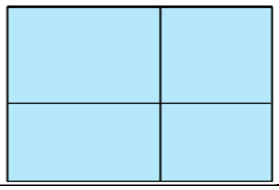
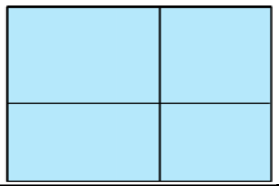
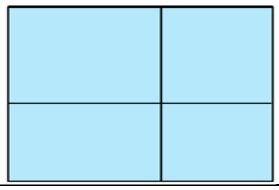
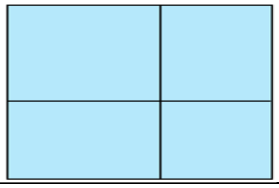
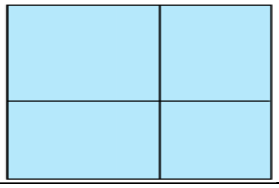
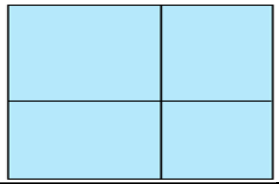
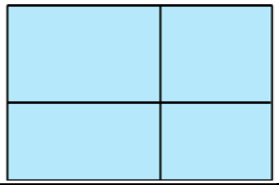
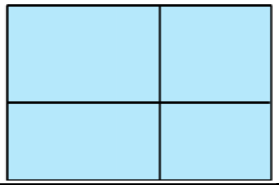
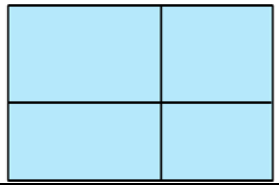
Name:_____ Date:_____

Math 8 Homework Assignment Section 1.3 Multiplying 2 Digit Integers

1. Multiply the following without a calculator

a) $\begin{array}{r} 45 \\ \times 23 \\ \hline \end{array}$	b) $\begin{array}{r} 19 \\ \times 24 \\ \hline \end{array}$	c) $\begin{array}{r} 82 \\ \times 14 \\ \hline \end{array}$
d) $\begin{array}{r} 64 \\ \times 92 \\ \hline \end{array}$	e) $\begin{array}{r} 27 \\ \times 51 \\ \hline \end{array}$	f) $\begin{array}{r} 72 \\ \times 39 \\ \hline \end{array}$
g) $\begin{array}{r} 116 \\ \times 28 \\ \hline \end{array}$	h) $\begin{array}{r} 48 \\ \times 17 \\ \hline \end{array}$	i) $\begin{array}{r} 33 \\ \times 19 \\ \hline \end{array}$

2. Use the area model to multiply the following:

a) 24×35 	b) 85×15 	c) 73×22 
d) 38×21 	e) 65×22 	f) 45×24 
g) 83×28 	h) 44×77 	i) 39×28 

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3. A man walks into the Apple store and bought 35 Iphones at once. If each phone costs $750, how much did he spend?

4. Jerry works at a hotdog stand. Jappa dogs are $7 each, Kobe burgers are $11 each, and drinks are $4 each. If he sold 85 Jappa dogs, 64 burgers and 135 drinks, how much revenue did he earn?

5. There are twelve people in an elevator with an average weight of 72kg. If the limit of the elevator is 850kgs, can all 12 people fit in the elevator?

6. 250 adults and 600 kids attended a school play last week. Each adult costs $12 and each student costs $8.50. How much money did the school make in ticket sales?

7. Nima can run 20 meters in 5 seconds and Jessica can run 30 meters in 8 seconds. If they run for 2 minutes, who will run faster?

8. Challenge: Taking only the integers from 1 to 12 to form a product, what numbers from 1 to 100 can you not create? You can only use each integer from 1 to 12 once.

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