Name_____

Discovering the Distributive Property/Teacher-Led Practice

Choose 3 expressions from the box that have the same value as items 1, 2, and 3.

1. **(3 X 7) + (3 X 2) = _____**

2. **(6 X 3) + (6 X 5) = _____**

3. **(8 X 2) + (8 X 4) = _____**

A. 3 x 7 x 2	**D. 3 x 9**
B. 6 x (3+ 5)	**E. 6 + 5 + 3**
C. 8 x 2+ 8 x 4	**F. (8 x 2) + 4**

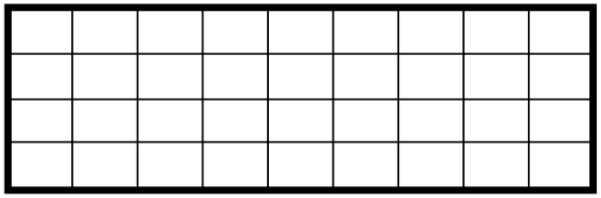
This chart shows different ways to express 6 x 7 using the distributive property.

$6 \times 6 + 6 \times 1 = 6 \times (6 + 1)$

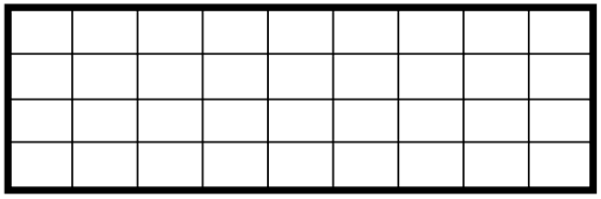
$6 \times 5 + 6 \times 2 = 6 \times (5 + 2)$

$6 \times 4 + 6 \times 3 = 6 \times (4 + 3)$

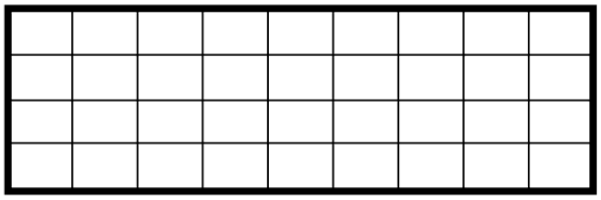
Shade in columns to represent 4 x 9 in three different ways. Write the number sentences to go with your shaded grids.



_____= _____



_____= _____



_____= _____

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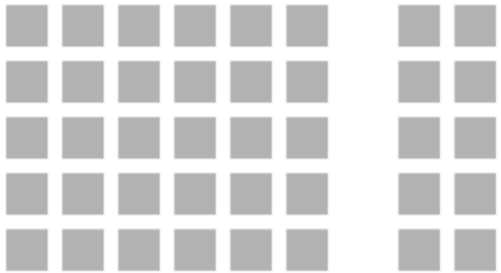
1. Example	$3 \times \underline{5} + 3 \times \underline{4} = \underline{27}$ $3 \times (\underline{5} + \underline{4}) = \underline{27}$ $3 \times \underline{9} = \underline{27}$
2. 	$5 \times ___ + 5 \times ___ = ___$ $5 \times (___ + ___) = ___$ $5 \times ___ = ___$
3.	$6 \times ___ + 6 \times ___ = ___$ $6 \times (___ + ___) = ___$ $6 \times ___ = ___$

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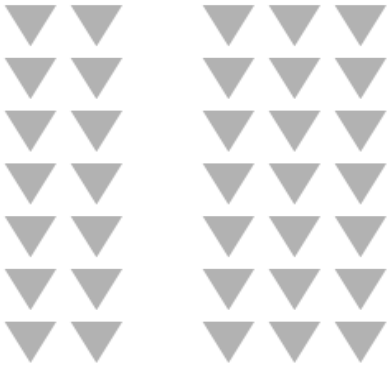
4. 	$7 \times ____ + 7 \times ____ = ____$ $7 \times (____ + ____) = ____$ $7 \times ____ = ____$
5.	$4 \times ____ + 4 \times ____ = ____$ $4 \times (____ + ____) = ____$ $4 \times ____ = ____$
6.	$6 \times ____ + 6 \times ____ = ____$ $6 \times (____ + ____) = ____$ $6 \times ____ = ____$

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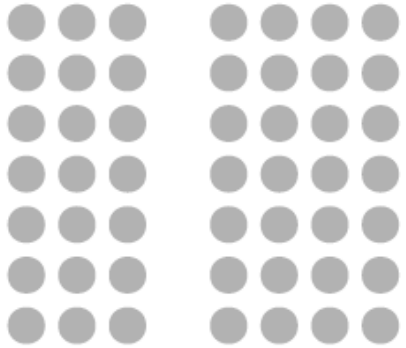
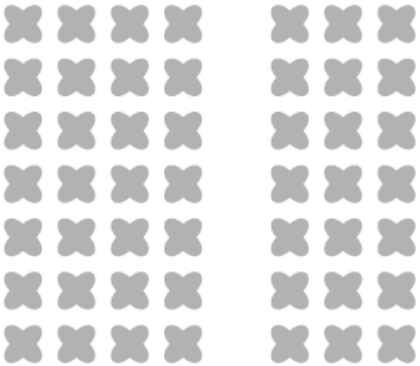
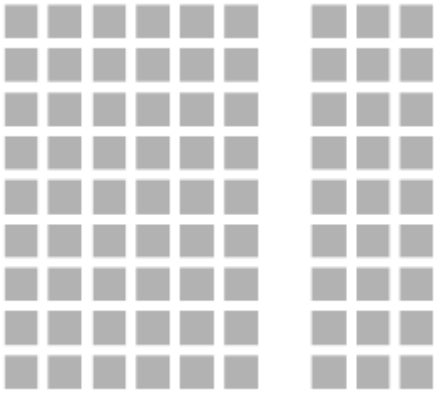
Look at each picture and write three expressions that explain the picture in terms of the distributive property. Put your answers in the same order and format as the sample item that has been completed for you.

	**(7 x 3) + (7 x 4)** **7 x (3 + 4)** **7 x 7**		
			

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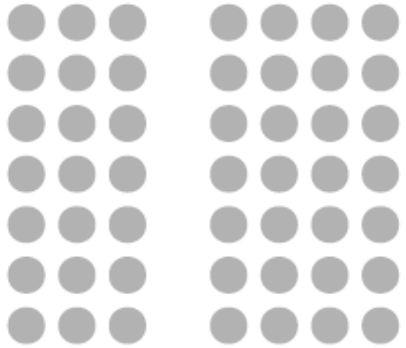
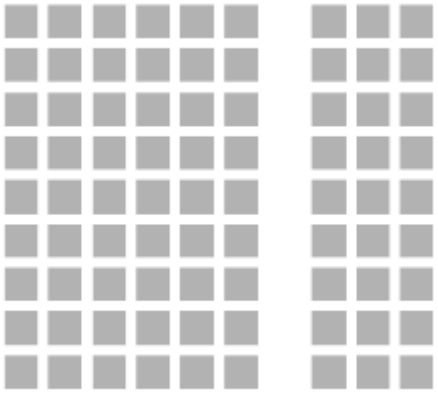
	(7 x 3) + (7 x 4)		(6 x 5) + (6 x 3)
	7 x (3 + 4)		6 x (5 + 3)
	7 x 7	Answer key	6 x 8
	(5 x 4) + (5 x 2)		(3 x 6) + (3 x 2)
	5 x (4 + 2)		3 x (6 + 2)
	5 x 6		3 x 8
	(4 x 6) + (4 x 3)		(9 x6) + (9 x 3)
	4 x (6 + 3)		9 x (6 + 3)
	4 x 9		9 x 9