



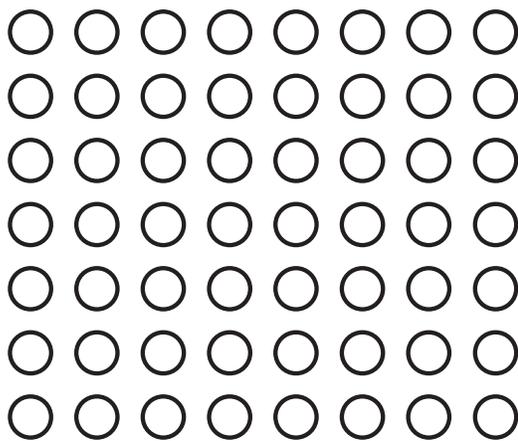
Cumulative Review

1. The set of products including 3, 6, 9, and 12 is written in both the _____s column and _____s row.
2. 3 consecutive multiples of 4 that are greater than 12 are _____, _____, and _____.
3. The soccer coach is planning to go to a tournament. There are 20 soccer players and 4 seats in each car. Complete the number line to figure out how many cars are needed to go to the tournament. _____

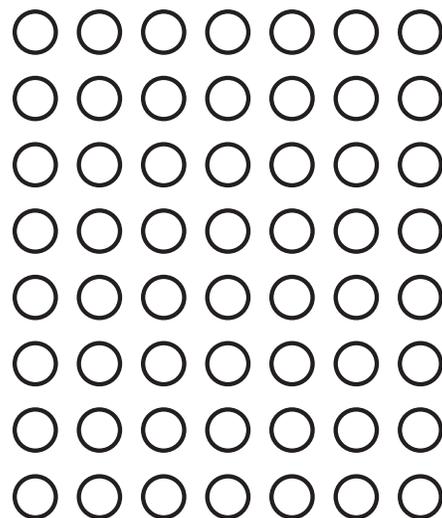


4. Are these two expressions equal? _____

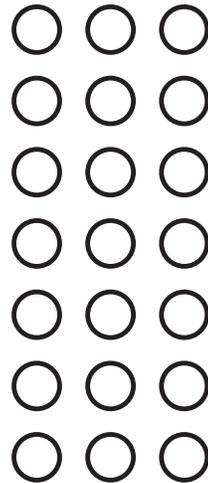
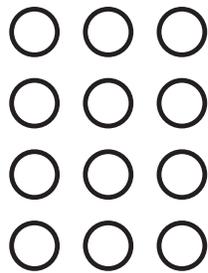
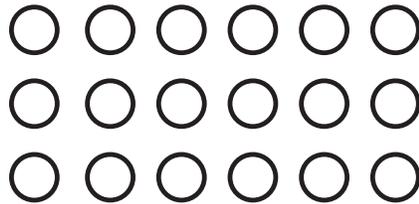
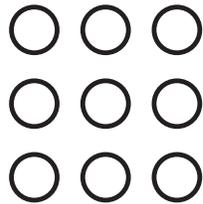
$$7 \times 8$$



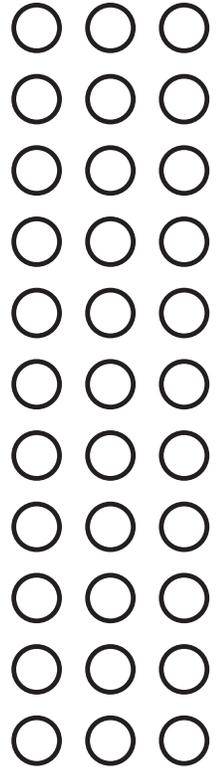
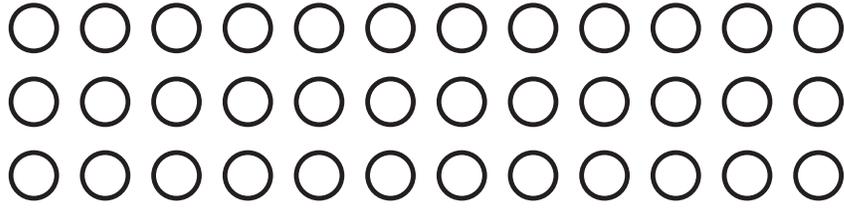
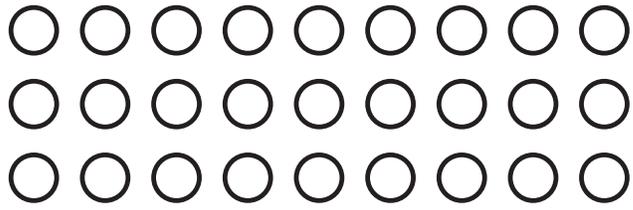
$$8 \times 7$$



3s Facts A



3s Facts B



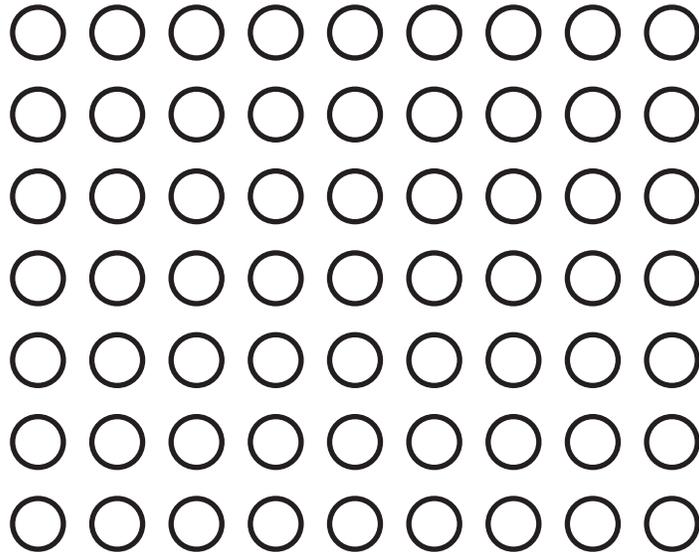
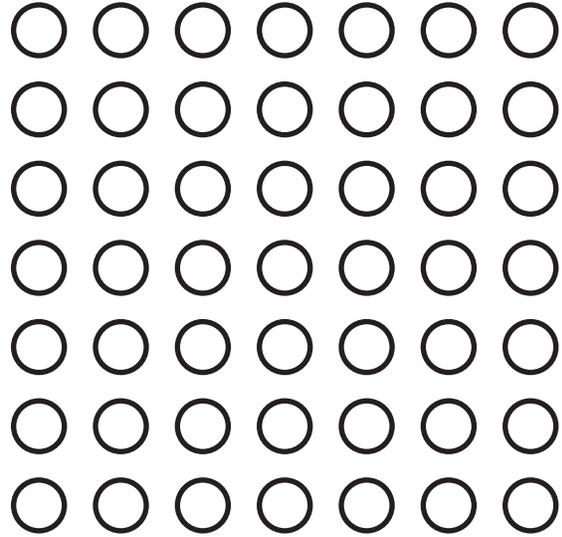
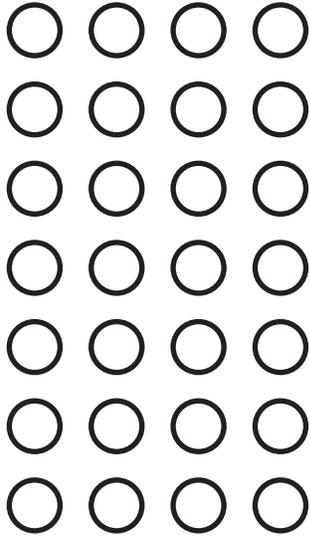
Taking Apart 3 into 1 and 2

X	1	2	1s + 2s	3
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

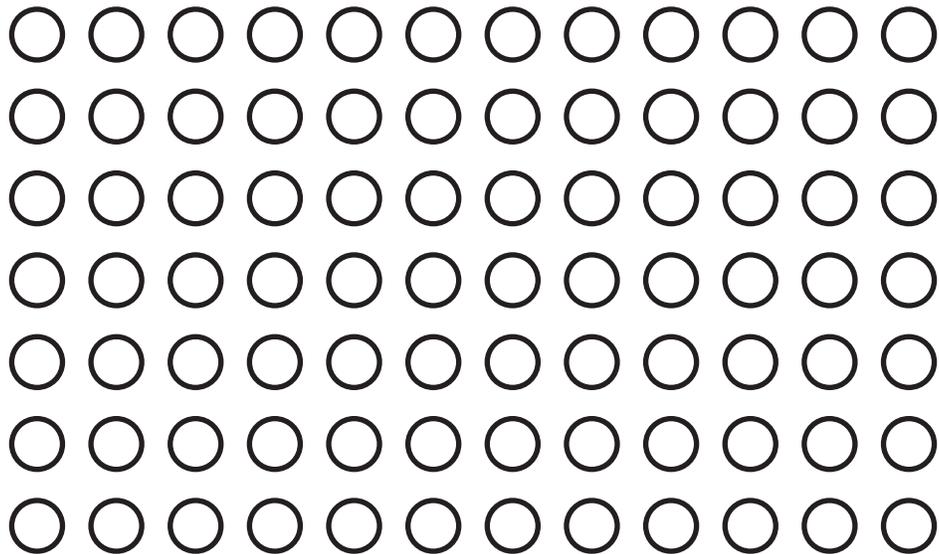
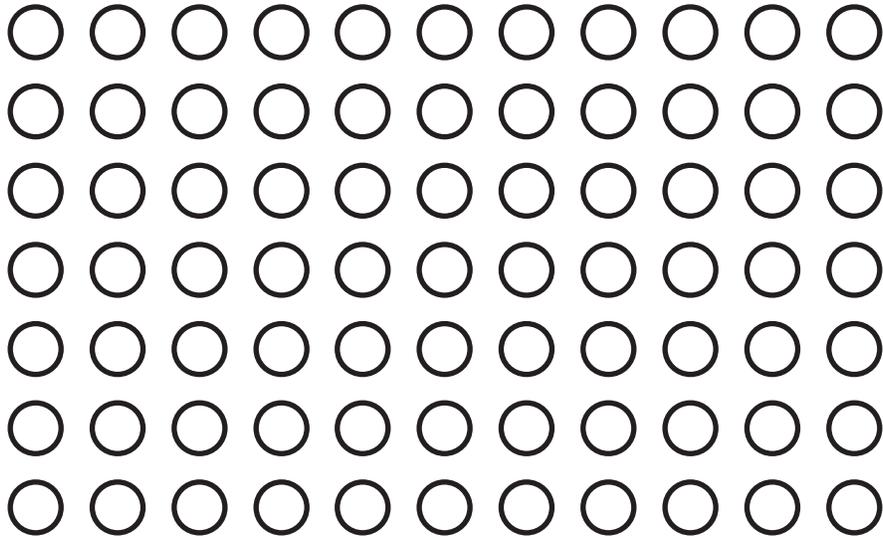
3s and 7s Table

	x	1	2	3	4	5	6	7	8	9	10	11	12
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

7s Facts A



7s Facts B

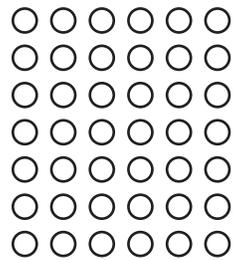


Taking Apart 7 into 2 and 5

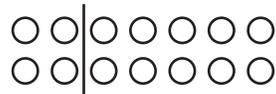
X	2	5	$2s + 5s$	7
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Practice 1

1. Divide the array with a line to represent taking apart an unknown fact to find 7×6 , and then solve the fact. _____



2. What multiplication fact is shown by the array below?



3. Draw an array and a line to represent taking apart an unknown fact to find 3×7 , and then solve the fact. _____



4. Take apart and solve the unknown fact to find 12×3 . Use the graphic organizer below if needed.

	1	2	1s + 2s	3
12				



Practice 2

Part 1: Complete the 3s and 7s rows and columns on the multiplication table.

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2		4	5	6		8	9	10	11	12
2	2	4		8	10	12		16	18	20	22	24
3												
4	4	8			20					40	44	
5	5	10		20	25	30		40	45	50	55	60
6	6	12			30					60	66	
7												
8	8	16			40					80	88	
9	9	18			45					90	99	
10	10	20		40	50	60		80	90	100	110	120
11	11	22		44	55	66		88	99	110	121	132
12	12	24			60					120	132	4

Name: _____

Independent Practice

Part 1: Solve each fact.

$7 \times 7 = \underline{\quad}$

$5 \times 7 = \underline{\quad}$

$3 \times 12 = \underline{\quad}$

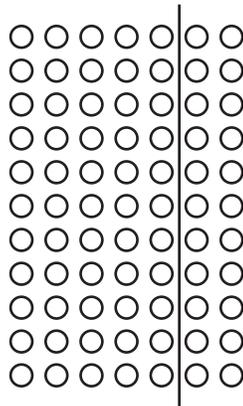
$9 \times 7 = \underline{\quad}$

$9 \times 3 = \underline{\quad}$

$8 \times 7 = \underline{\quad}$

Part 2: Answer each question.

1. What multiplication fact is shown by the array below?



2. Draw an array and a line to represent taking apart an unknown fact to find 3×3 , and then solve the fact. _____



Name: _____

Independent Practice (cont.)

3. Divide the array model to represent taking apart an unknown fact to find 4×3 , and then solve the fact. _____



4. Take apart and solve the unknown fact to find 7×4 . Use the graphic organizer below if needed.

x	2	5	2s + 5s	7
4				

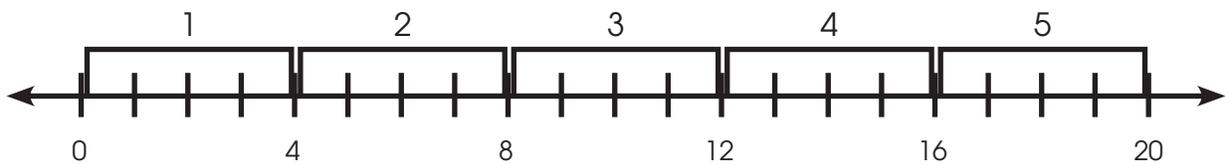


Answer Key: Cumulative Review

1. The set of products including 3, 6, 9, and 12 is written in both the 3s column and 3s row.

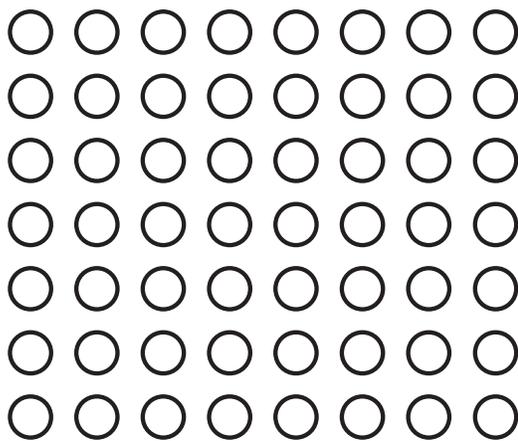
2. 3 consecutive multiples of 4 that are greater than 12 are 16 , 24 , and 28 .

3. The soccer coach is planning to go to a tournament. There are 20 soccer players and 4 seats in each car. Complete the number line to figure out how many cars are needed to go to the tournament. 5

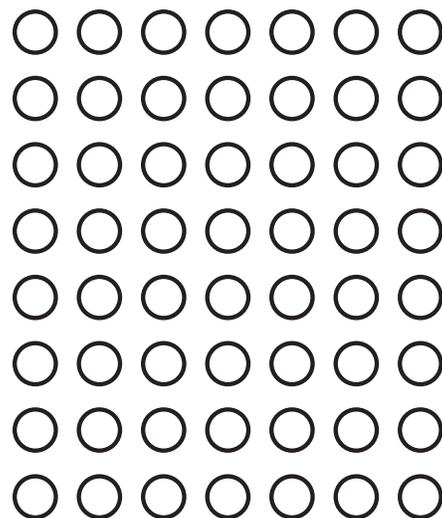


4. Are these two expressions equal? yes

$$7 \times 8$$



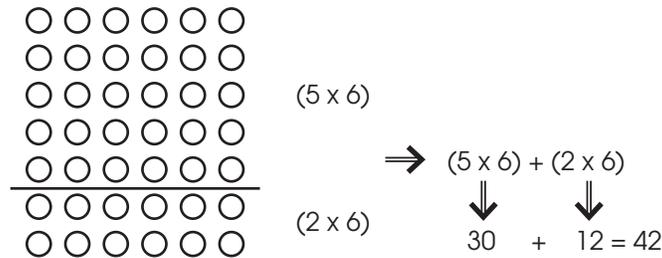
$$8 \times 7$$





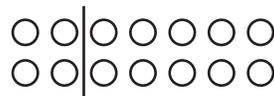
Answer Key: Practice 1

1. Divide the array with a line to represent taking apart an unknown fact to find 7×6 , and then solve the fact. $7 \times 6 = (5 \times 6) + (2 \times 6) = 42$

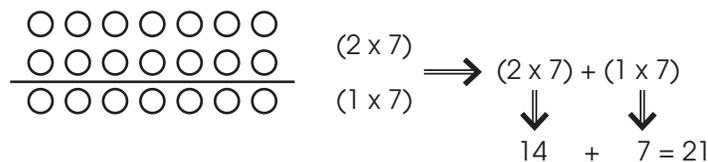


2. What multiplication fact is shown by the array below?

$(2 \times 2) + (2 \times 5) = 2 \times 7 = 14$



3. Draw an array and a line to represent taking apart an unknown fact to find 3×7 , and then solve the fact. $3 \times 7 = (2 \times 7) + (1 \times 7) = 21$



4. Take apart and solve the unknown fact to find 12×3 . Use the graphic organizer below if needed.

X	1	2	1s + 2s	3
12	12	24	12 + 24	36



Answer Key: Practice 2

Part 1: Complete the 3s and 7s rows and columns on the multiplication table.

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12		20		28			40	44	
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18		30		42			60	66	
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24		40		56			80	88	
9	9	18	27		45		63			90	99	
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36		60		84			120	132	4

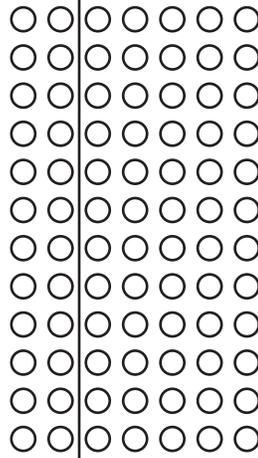


Answer Key: Practice 2 (cont.)

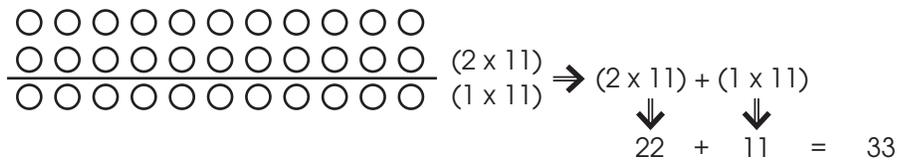
Part 2: Answer each question.

1. What multiplication fact is shown by the array below?

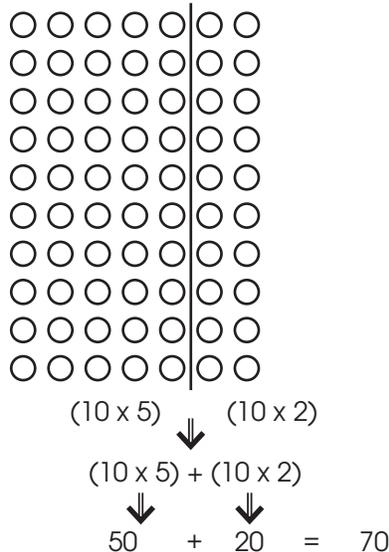
$$\underline{(12 \times 2) + (12 \times 5) = 12 \times 7 = 84}$$



2. Divide the array model with a line to represent taking apart an unknown fact to find 3×11 , and then solve the fact. $(2 \times 11) + (1 \times 11) = 3 \times 11 = 33$



3. Draw an array and a line to represent taking apart an unknown fact to find 10×7 , and then solve the fact.





Answer Key: Independent Practice

Part 1: Solve each fact.

$$7 \times 7 = \underline{49}$$

$$5 \times 7 = \underline{35}$$

$$3 \times 12 = \underline{36}$$

$$9 \times 7 = \underline{63}$$

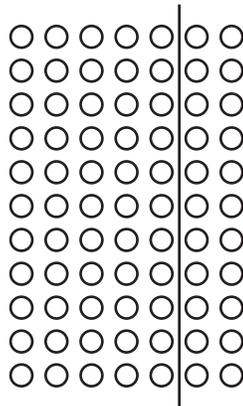
$$9 \times 3 = \underline{27}$$

$$8 \times 7 = \underline{56}$$

Part 2: Answer each question.

1. What multiplication fact is shown by the array below?

$$\underline{(11 \times 5) + (11 \times 2) = 11 \times 7 = 77}$$



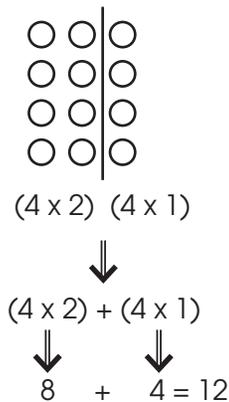
2. Draw an array and a line to represent taking apart an unknown fact to find 3×3 , and then solve the fact. $\underline{3 \times 3 = (2 \times 3) + (1 \times 3) = 9}$

$$\begin{array}{ccc}
 \begin{array}{c} \circ \circ \circ \\ \circ \circ \circ \\ \circ \circ \circ \end{array} & \begin{array}{l} (2 \times 3) \\ (1 \times 3) \end{array} & \longrightarrow & (2 \times 3) + (1 \times 3) \\
 & & & \begin{array}{cc} \downarrow & \downarrow \\ 6 & + & 3 = 9 \end{array}
 \end{array}$$



Answer Key: Independent Practice (cont.)

3. Divide the array model to represent taking apart an unknown fact to find 4×3 , and then solve the fact. $4 \times 3 = (4 \times 2) + (4 \times 1) = 12$



4. Take apart and solve the unknown fact to find 7×4 . Use the graphic organizer below if needed.

x	2	5	2s + 5s	7
4	8	20	8 + 20	28